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User's Guide to the JPL Doppler Gravity Database

P.M. Muller
W.L. Sjogren

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DOPPLER GRAVITY DATABASE (Jet Propulsion
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ABSTRACT

Local gravity accelerations and gravimetry have been determined directly from spacecraft doppler tracking data near the Moon and various planets by the Jet Propulsion Laboratory. Researchers in many fields have an interest in planet-wide global gravimetric mapping and its applications. Many of them use their own computers in support of their studies and would benefit from being able to directly manipulate these gravity data for inclusion in their own modeling computations.

This document covers publication of some 150 Apollo 15 subsatellite low-altitude, high-resolution, single-orbit data sets. The doppler residuals with a determination of the derivative function providing line-of-sight gravity are both listed and plotted (on microfilm), and can be ordered in computer readable forms (tape and floppy disk).

The form and format of this database as well as the methods of data reduction are explained and referenced. A skeleton computer program is provided which can be modified to support re-reductions and re-formatted presentations suitable to a wide variety of research needs undertaken on mainframe or PC class microcomputers.

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I. INTRODUCTION

NASA spacecraft are navigated by means of highly precise Earth-based (atomic clock sourced), coherent, closed-loop radio tracking signals. The differenced doppler signal between transmitted and received frequencies constitutes the raw observable. After fitting with an Orbit Determination Program one can interpret the doppler residuals (observed minus calculated) as the difference between the "real world" and the "model" plus the noise on the data. If the former dominates the latter, as when the spacecraft is in orbit about a planet, the derivative of the doppler residuals (the line-of-sight (LOS) accelerations) are interpreted as effects from local gravity variations.

The raw data considered in this publication are the doppler residuals remaining after the spacecraft orbit has been fit with the best current model (Appendix D) of the solar system as represented by the Orbit Determination Program (ODP) and its associated development ephemeris.

Indeed, the first gravimetric map of another planet (the Moon) was made by exactly this method and used the same basic computer tools as stated here (Ref. 1). Although large scale features can be in error by as much as 30 percent (Ref. 2), gravimetric data obtained by this method has withstood the test of time, and it remains a powerful tool for planetologists and others interested in correlating gravity with topography or other data.

Researchers with any computer support from PC to mainframe will now have access to the raw doppler residuals, cubic spline (second derivative continuous) derived line-of-sight (LOS) accelerations, and the planet-centered latitude and longitude of the spacecraft. Various intermediate quantities are also supplied which permit re-fitting of the raw residuals, and reductions from line-of-sight to other vector geometries, etc.

II. UNITS AND ACCURACY

Doppler is the difference between two radio signal frequencies (the constant transmitted versus the received) expressed in hertz (cycles/second). After removal of the primary spacecraft motions, the residuals are fit with cubic splines second derivative continuous (Ref. 3) across the breakpoints as noted later. Historically, the fit units were expressed in hertz, and the time in minutes (due to the convenience of dealing with the most common practice of sampling the doppler counter each minute of time). To obtain mm/s, one multiplies by 65 since an S-band cycle is approximately 65mm. In the future the residuals may be expressed in hertz from X-band radio, which is 11/3 of the S-band frequency. One needs to scale appropriately in such a case. The NAMELIST entry "CONFAC" noted in Appendix B will alert you to any change in the doppler radio signal frequency.

The accelerations were fit with minutes of time as the argument, and so were scaled by 65/60 (multiplied by 1.083). They are expressed in the tables and plots in mm/s². Hermite interpolation is provided in the utility program RESFIT (Appendix E) and uses time in minutes. Therefore, it first divides the accelerations by the above factor (1.083), interpolates, and then rescales by multiplying. If modifying the program, this should be noted.

Spacecraft altitude (km), latitude and longitude (degrees east of the meridian) are provided in the database.

To obtain LOS (line-of-sight) gravity in milligals, multiply the tabular accelerations (mm/s²) by 100 precisely. An acceleration of 1.20 mm/s², therefore, corresponds to 120 mgal, a large local gravity anomaly.

The one-sigma noise level for one-minute doppler is about 0.007 Hz at S-band, for large Earth-sun-probe angles. Five-second (or other interval) data will scale noise as the square root of the time interval ratio. Plasma can seriously degrade data for spacecraft viewed near the sun (less than a few degrees), and in some cases make it totally unusable.

For these reasons the residuals after the fit are displayed for detailed examination. Furthermore, the data with a residual of more than 0.05 Hz from the spline fit are plotted with a large "*" to identify it. Much of this "bad" data has been eliminated by not considering orbits with excessively high plasma noise, and by hand-deleting the few blunder points inherent in any machine-generated observations.

It is also worth noting again that these are LOS accelerations. For LOS acceleration vectors normal to the planet's surface, these are nearly vertical gravity measurements. For other geometries, particularly those where the vector is far off the normal, the determination is a mixture of the vertical and horizontal components. Consider that an acceleration towards the Earth (negative) near the planet's limb could arise from either a large mass between the Earth and the spacecraft, or a negative (less than average) local mass *beyond* the spacecraft.

Also note that the direction of motion of the spacecraft (towards or away from Earth) determines the sign of the acceleration and, therefore, the sign of the corresponding gravity anomaly. This can be determined by noting the direction of motion in the database tables (and is *not* specifically marked on the plots). Care should be exercised in the interpretation of LOS gravity acceleration anomalies.

It is also obvious that feature resolution on the planet using these acceleration data depends upon the altitude of the spacecraft. A fair rule-of-thumb is that resolution is roughly equal to spacecraft altitude. Spacecraft altitude is shown on plots (Appendices C and G) to permit one to consider this limitation. The separation of spline breakpoints is roughly scaled by altitude to include about the optimum number of observations in each spline interval. The resulting accelerations from the spline fit do not change more than the limits discussed above for fairly wide variations in the length of each fit interval within reasonable bounds. If the intervals are too long, we see the real measures of gravitational acceleration that we desire showing up as large systematic residuals after the spline fit. If they are too short, particularly with 5-second or 10-second data, we begin to fit to the noise, which shows up as a noisy acceleration curve.

III. THE DATABASE

The data is provided as ASCII characters with a line width of 79 so that it can be edited by any PC or mainframe editor. It is intended to be read by any FORTRAN program capable of NAMELIST inputs, but can be read in by direct line-image from FORTRAN, BASIC, and other languages. A series of orbits, usually in time order, is grouped together in a file of no more than 50,000 bytes (characters) so that it can be edited and handled by a PC. Whether on tape, floppy disk, or printed, the format is exactly the same.

The first set of records (lines) is a FORTRAN NAMELIST input block. It begins with \$INPUTS and ends on \$END. It contains the header and initial condition information which permits one to re-process the data residuals. One can re-integrate the trajectory, compute planet-centered coordinates, and change the spline intervals. The meanings of the individual variables and the rationale for their inclusion is given in Appendix B.

The second set of records (lines) is headed by two 79-character title headers identifying the columns below and their units (which you can read and retain in your program to head each page of output). The remainder consists of identically formatted lines of numerical information, in time order, for the specific orbital pass noted in the header. It is terminated by a blank line. See Appendix H.

IV. PLOTS

Plots of the spacecraft altitude (H), latitude (L), velocity (V) in Hz, and acceleration (mm/s^2) are displayed as a function of spacecraft longitude (see Appendix C for example and Appendix G for actual results). Each one minute of doppler residual is marked on the velocity curve with a "+" to give an approximate indication of time and to show the actual values. For 30-second or lesser time-interval data, only the points on full minutes of time are marked (this is only a small portion of the whole database). Residuals which stand more than 0.05 Hz from the spline fit are marked with an "*" and probably should be eliminated (which we have done in most cases).

Note the scaling factors applicable to the ordinates as shown on the left side of the plot frame. Each curve is also labeled with its corresponding letter identifier at least once.

There are also data coverage plots with orbit number concordances given in Appendix F, thus one can select particular orbits corresponding to various features of interest.

REFERENCES

1. Muller, P.M., and Sjogren, W.L., "Mascons: Lunar Mass Concentrations," *Science*, Vol. 161, pp. 680-684, 1968.
2. Gottlieb, P., "Estimation of Local Lunar Gravity Features," *Radio Sci*, Vol. 5, pp. 301-312, 1970.
3. Lawson, C.L., and Hanson, R.J., *Solving Least Squares Problems*, Prentice-Hall, Englewood Cliffs, N.J., pp. 219-226, 1974.

APPENDIX A

EXAMPLE DATABASE ORBIT DATA BLOCK

```

$INPUTS
HEADER = 'APOLLO 15 REV 4450'
EPOCH = 720800714, 4607207,
JEPOCH = 72, 8, 7, 14, 46,
STATE = 1858.014, 4.1015200E-02, 151.0577, 262.9246,
302.2141, 318.3701
ICoord = 1,
TSTATE = 1578.160, 100.8069, -859.1996, -4.3943524E-03,
-1.672490, -0.1115108
LONEP = 999.0000
REFEP = 6*0,
DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780
ERAD = 374911.6
ELAT = -1.510289, 2*0.0000000E+00,
ELON = 4.255775, 2*0.0000000E+00,
ROIR = 8.9400001E-03,
DTFIT = 0.2000000
CONFAC = 1.083000
$END
EPOCH DATE RESIDUAL ALTITUDE LATITUDE LONGITUDE FIT DATA FIT ACCEL RES/FIT
YYMMDDHHMMSS Hz Km Deg. Deg. Hz mm/s**2 Hz
72 8 714 831 0.3589 187.72 14.655 111.484 0.3589014 0.181962 0.0000
72 8 714 931 0.4950 185.86 13.448 108.873 0.4949628 0.116123 0.0000
72 8 71410 1 184.87 12.833 107.575 0.5425293 0.090804
72 8 7141031 0.5788 183.83 12.212 106.283 0.5789679 0.066539 -0.0002
72 8 7141131 0.6152 181.64 10.949 103.711 0.6148384 0.009196 0.0004
72 8 71412 1 180.48 10.308 102.432 0.6115618 -0.023882
72 8 7141231 0.5926 179.28 9.662 101.156 0.5931135 -0.054821 -0.0005
72 8 71413 1 178.04 9.010 99.883 0.5620584 -0.078521
72 8 7141331 0.5214 176.77 8.353 98.613 0.5207743 -0.101144 0.0006
72 8 7141431 0.4003 174.11 7.024 96.081 0.4010430 -0.161569 -0.0007
72 8 71415 1 172.72 6.353 94.818 0.3179286 -0.199370
72 8 7141531 0.2179 171.30 5.678 93.556 0.2169893 -0.236913 0.0009
72 8 71416 1 169.84 4.999 92.296 0.1000374 -0.268852
72 8 7141631 -0.0304 168.35 4.317 91.036 -0.0291359 -0.286987 -0.0013
72 8 7141731 -0.2854 165.28 2.944 88.516 -0.2871461 -0.257181 0.0017
72 8 71418 1 163.69 2.253 87.256 -0.3956508 -0.209250
72 8 7141831 -0.4804 162.08 1.560 85.995 -0.4785135 -0.149354 -0.0019
72 8 71419 1 160.43 0.865 84.732 -0.5332763 -0.087593
72 8 7141931 -0.5590 158.76 0.169 83.468 -0.5602809 -0.031626 0.0013
72 8 7142031 -0.5526 155.34 -1.228 80.932 -0.5523516 0.039804 -0.0002
72 8 71421 1 153.59 -1.927 79.660 -0.5298874 0.055274
72 8 7142131 -0.5034 151.81 -2.627 78.385 -0.5027168 0.061622 -0.0007
72 8 71422 1 150.01 -3.327 77.106 -0.4737200 0.063215
72 8 7142231 -0.4423 148.19 -4.027 75.822 -0.4440247 0.066898 0.0017
72 8 7142331 -0.3722 144.50 -5.424 73.240 -0.3692341 0.101052 -0.0030
72 8 71424 1 142.62 -6.120 71.942 -0.3158970 0.131520
72 8 7142431 -0.2454 140.72 -6.815 70.637 -0.2488156 0.155332 0.0034
72 8 71425 1 138.82 -7.508 69.326 -0.1758952 0.156890
72 8 7142531 -0.1085 136.89 -8.198 68.007 -0.1063003 0.143176 -0.0022
72 8 7142631 0.0044 133.00 -9.570 65.349 0.0043086 0.090875 0.0001
72 8 71427 1 131.04 -10.250 64.008 0.0376719 0.052291
72 8 7142731 0.0520 129.07 -10.927 62.658 0.0510219 0.003525 0.0010
72 8 71428 1 127.09 -11.599 61.299 0.0390789 -0.057277
72 8 7142831 -0.0011 125.11 -12.266 59.931 -0.0011027 -0.113093 0.0000
72 8 7142931 -0.1353 121.12 -13.584 57.165 -0.1333074 -0.158564 -0.0020
72 8 71430 1 119.12 -14.233 55.766 -0.2049669 -0.148230
72 8 7143031 -0.2638 117.12 -14.876 54.356 -0.2665720 -0.114483 0.0028
72 8 71431 1 115.12 -15.512 52.934 -0.3068697 -0.055981

```

... Terminated with a blank line

APPENDIX B

EXPLANATION OF DATABASE BLOCKS

NAMELIST

Name: \$INPUTS

HEADER: 60 Characters of identifying text. See Appendix E for a listing of the Utility Program RESFIT and a description of how it handles these inputs and how to customize it to your requirements.

EPOCH of State: YYMMODDHH, MMSSFFF in ODP Vigesimal Format of two INTEGER*4 and where year and month are followed by zero; then day and hour in the first word; then minute, second and three decimals of the fractional part of the second; thus EPOCH in Appendix A would be August 7, 1972 14h 46m 7.207s.

JEPOCH: For convenience, the EPOCH to nearest second in INTEGER array of length six.

STATE: The state vector in the units and coordinate system (identified by ICOORD) in which JPL originally processed the data.

ICOORD: Identifies the coordinate system of STATE; 0 for Planet-Centered Cartesian True Equator of Date (measured from Node); 1 for Planet-Centered Classical (a, e, i, Node, Argument of Periapsis, True Anomaly) in True Equator of Date with respect to Prime Meridian; -1 if in coordinates of TSTATE to begin with.

TSTATE: Transformed State in Planet-Centered Cartesian coordinates, True Equator of Date with respect to Prime Meridian. Integrating in this coordinate system will provide correct inertial coordinates with respect to the planet for the purpose of computing latitude and longitude of the spacecraft positions, requiring only rotation of the planet (correcting longitude) by the rotation rate "ROTR" times the observation time minus epoch. If epoch is later than first data point, you will integrate backwards to that time.

LONEP: For ICOORD=0 inputs you will need the longitude of the spacecraft at epoch to transform to TSTATE, and it is provided here. If value is 999, then no such transformation is required; ICOORD not 0.

REFEP: Reference epoch for TRANSA and TRANSB below.

DUTSEC: The value (in seconds of time) of ET-UTC. For coordinates provided with respect to Ephemeris Time (ET). Note that STATES provided here are in UTC, the same as observation times.

TRANSA and TRANSB: TRANSA is the light time in seconds from Earth to spacecraft at REFEP; TRANSB is the rate of change in this light time in seconds/second. This permits light-time corrections for planetary orbiter data reductions. We ignore this for lunar reductions (<1.5 second).

GM: GM for the target body in km^3/s^2 (for reference and your use in customized utility programs).

ERAD: Earth to spacecraft radius; km for target Moon; AU for planetary targets.

ELAT and ELON: Latitude and longitude (degrees) on the target body of the sub-Earth point at epoch, plus the coefficients of T and T^2 (set of three input values for each as shown above) for a quadratic polynomial fit to the change in these parameters with time in seconds. These provide geometry for

the line-of-sight with respect to surface features (i.e., vertical component vs horizontal) or for any other projection you may wish to compute.

ROTR: Rotation rate of the target body in degrees per minute of time.

DTFIT: Interval in minutes between which the supplied interpolation utility program will interpolate the database (input by you).

CONFAC: Conversion factor from doppler in Hz to velocity in mm/s^2 , which is employed as discussed in the text and also indicates the frequency of the radio navigation signals employed (nominally S band).

IPLOT: Set to 0 or 1 to turn plot subroutines off, on respectively once the plot subroutines have been placed into the utility program code provided.

\$END: End the FORTRAN NAMELIST input control block.

DATA COLUMNS

Column one is the date, in YY, MM, DD, HH, MM, SS (two digit integers), for Year (19YY dates in this century), Month, Day, Hour, Minute, and Second. All data are rounded to the whole second of time.

Column two is the ODP doppler residual in Hz. If the variable named "CONFAC" is 1.083, then the doppler is from S-band. In the future a different number may appear there, and, if so, the doppler is at another frequency, and the conversion factor given is that required. If this number is blank, the line corresponds to a breakpoint in the spline fit. In addition to those shown, the first and last lines closely correspond to the limiting (first and last) breakpoints. Using this clue (a zero true residual is given the nominal value 0.0001) the program supplied (and any you create) can distinguish these breakpoints for whatever analytical purpose you may desire.

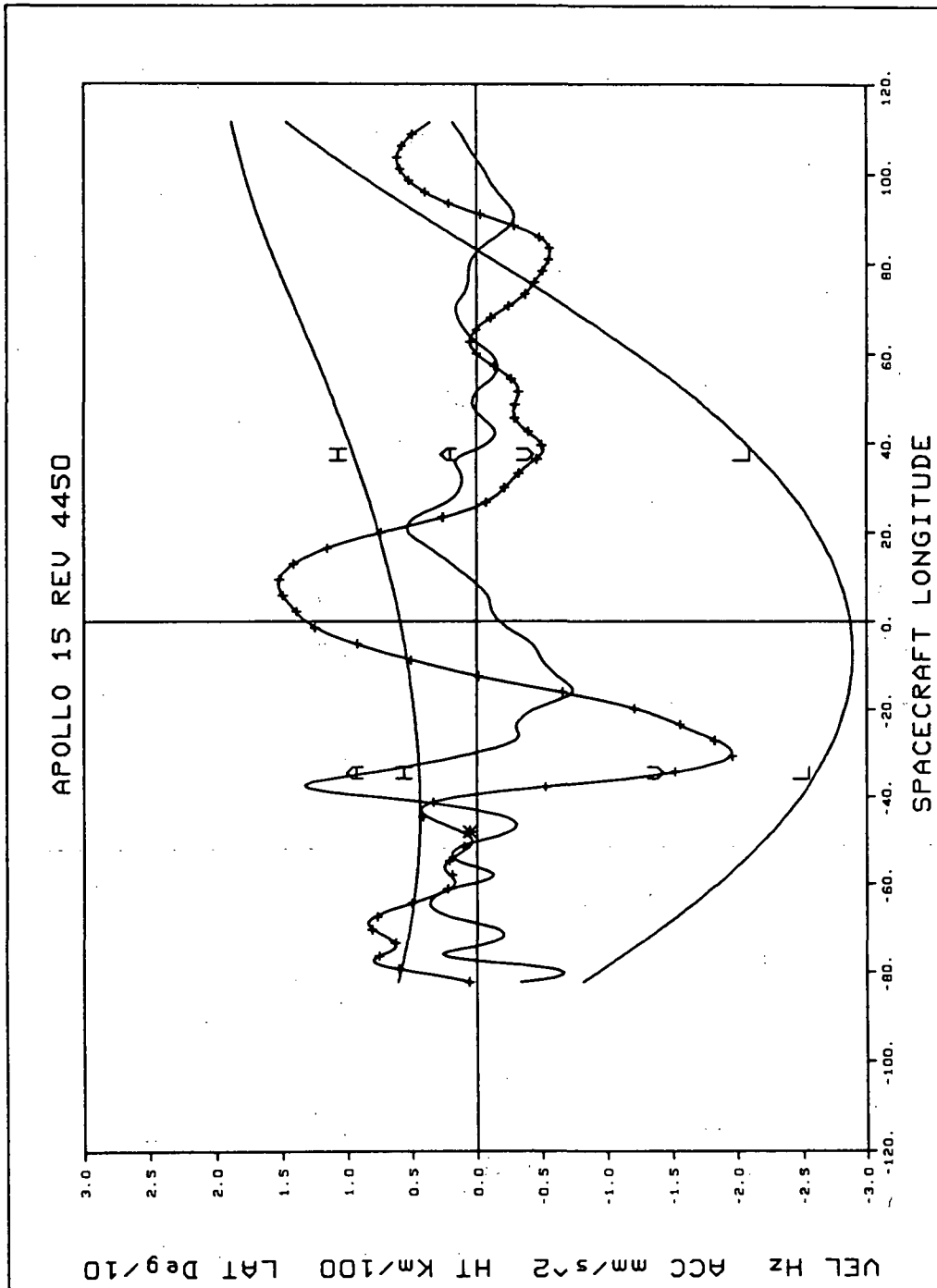
Columns three, four, and five are the altitude (km), latitude (degrees), and longitude (degrees east of the prime meridian), respectively. These are close enough together that linear interpolation should be adequate, and this is the scheme provided in the Utility Program (Appendix E).

Columns six and seven are the spline-fit values of the doppler (Hz) and accelerations (mm/s^2). To obtain milligals, multiply column seven by 100 exactly. If you choose to interpolate these values, consider the question of units discussed above, and be careful, particularly when using a Hermitian interpolator which requires that the units system be the same on both the doppler and the accelerations.

Column eight is the residual after spline fit (column two minus column six). No special mark is placed there for residuals above any particular value, but such a mark is made on the plots "*" for spline residuals greater than 0.05 Hz. The data block for the given orbit is terminated with a blank line (see Appendix E).

APPENDIX C

EXAMPLE PLOT



APPENDIX D

MODEL PARAMETERS IN

INITIAL DOPPLER REDUCTION

1. Mutual gravitational perturbations of Earth, Moon, sun and planets.
2. Base-reference gravity field for the Moon:

$$GM=4902.78 \text{ km}^3/\text{s}^2$$

$$\text{Radius}=1738.0 \text{ km}$$

$$J_2=2.07108 \times 10^{-4}$$

$$J_3=-0.21 \times 10^{-4}$$

$$C_{22}=2.716 \times 10^{-4}$$

$$C_{31}=0.34 \times 10^{-4}$$

$$C_{33}=0.02583 \times 10^{-4}$$

3. Solar pressure modeled.
4. A nominal Earth troposphere model.
5. No ionosphere or space plasma model.
6. No relativity.
7. Earth and lunar rotations modeled.
8. Precision Earth tracking station locations (better than 10 m).
9. Proper solution for signal transit time.
10. Doppler tracking data only (i.e., no ranging, VLBI, or other data).
11. Arc length roughly 60 minutes, emersion to occultation.
12. Least squares estimation of spacecraft state vector only (6 parameters).

APPENDIX E

RESFIT PROGRAM LISTING AND EXPLANATION

This appendix provides a listing of the Utility Program RESFIT (Residual Fit) with all of its subroutines. The control input (NAMELIST) is explained in Appendices A and B. Sample output follows the program listing in this appendix.

The program allows for creation of more dense interpolation than that provided in the database. It is also the skeleton for any other desired recomputations including re-integration of the trajectory, re-fitting of the doppler residuals, creation of plots either for each orbit separately or for the planet's surface overall, or any other manipulations considered useful.

Those whose FORTRAN does not include NAMELIST input control will need to write a program to read the NAMELIST blocks, or use a programmable editor to find each namelist "**" and replace it with suitable alternatives that allow for fixed-format input of the control blocks.

RESFIT will read back its own output for further processing if desired. Plot programs are not provided since each computer system uses different plot software and hardware. However, it is indicated in the program comments where various plot functions would be inserted.

RESFIT is provided in computer readable form, followed by the database, in Appendix I. You will want to remove the program listing before attempting to read the database itself.

```

C RESFIT VERSION 1.0 * FITS LUNAR AND PLANETARY STANDARD FORMAT INPUTS
C ACCEPTS PRE-FIT DOPPLER RESIDUAL DATA AND DISPLAYS:
C $INPUTS (THE NAMELIST OF CONTROLS AND INPUTS)
C INTERPOLATES, PRINTS AND PLOTS THE DESIRED USER-RESULTS
C DATE, DOPPLER RESIDUAL, ALTITUDE, LATITUDE, LONGITUDE
C FIT TO RESIDUAL, FIT TO ACCELERATION, RESIDUAL AFTER THE FIT
C
C DECK AND DATA INPUT FORMAT EXAMPLE (COMMENTS IN PARENTHESIS)
C (NOMINALS SHOWN IN EACH CASE)
C THIS IS A SCHEMATIC PROGRAM WHICH CAN INTERPOLATE AS DENSELY
C AS YOU WISH OR SUPPORT ADDITION OF YOUR PLOT PROGRAM ETC.
C INTERPOLATES ALT, LAT, LON LINEARLY; FITS TO RESIDUAL AND
C ACCELERATIONS BY HERMITE CUBIC.
C IT CAN ALSO BE ADDED TO, FOR EXAMPLE, TO PROVIDE FOR INTEGRATION
C OF THE TRAJECTORY OVER AGAIN OR TO FIT OR REFIT THE RAW DOPPLER
C RESIDUALS ACCORDING TO ANY TECHNIQUE YOU MAY DESIRE. YOU CAN ALSO
C MAP THE ACCELERATIONS TO THE PLANET'S SURFACE ALONG THE EARTH TO
C SPACECRAFT VECTOR AND SO ON AS YOU MAY REQUIRE.
C $INPUTS
C HEADER='THE HEADER PROVIDED OR ANY YOU WISH TO 60 CHARACTERS
C EPOCH=720800614, 5304060 (ODP FORMAT EPOCH)
C JEPOCH= 72,8,6,14,53,4 (YEAR,MONTH,DAY,HOUR,MIN,SEC EPOCH)
C STATE= X,Y,Z,DX,DY,DZ (ORIGINALLY INPUT IN LUNRES, CART OR CLASS)
C TSTATE=X,Y,Z,DX,DY,DZ (TRANSFORMED STATE, PLANET EQUATOR & MERIDIAN)
C LONEP=85.2 (LON PROBE AT EPOCH USED IN LUNRES)
C REFEP=72,8,6,00,00,00 (Y,M,D,H,M,S EPOCH FOR LIGHT TIME TRANSA ETC.)
C DUTSEC=0. (ET-UT FOR DATA REFERENCED TO ET INSTEAD OF UTC)
C TRANSA=0. (LIGHT TIME TO PROBE AT EPOCH)
C TRANSB=0. (CHANGE IN LIGHT TIME PER MINUTE AT EPOCH)
C GM=4902.780 (GM OF THE TARGET PLANET)
C ERAD=472396.4 (EARTH DISTANCE; KM FOR TARGET MOON; AU FOR PLANETS)
C ELAT=0. (LATITUDE ON TARGET FOR EARTH ON MERIDIAN AT EPOCH)
C ELON=0. (LONGITUDE ON TARGET FOR EARTH ON MERIDIAN AT EPOCH)
C (THE RATE AND RATE^2 TERMS CAN BE PROVIDED; DEGREES/MINUTE)
C ROTR=.00894 (PLANET'S ROTATION RATE IN DEGREES/MINUTE)
C (** AND NOW THE USER CONTROLS **)
C IPLOT=0 (0,1: NO,YES DO PLOTS (YOU SUPPLY THE PLOT ROUTINES)
C (FOR POINT-TO-POINT PLOTTING OF RESID, FITRES, ACCEL, LAT, LON)
C (RESID PLOTTED WITH CHARACTER, REMAINDER INTERPOLATED OR ST. LINE)
C DTFIT=.25 (MINS BETWEEN INTERPOLATED POINTS PRINTED/PLOTTED)
C (IF LE 0 THEN NO INTERPOLATED POINTS, PRINTING DATA & POLYS)
C CONFAC=1.083 CONVERSION OF UNITS FROM HZ/MIN TO MM/S^2 IN THE FIT
C TO ACCELERATIONS AND HERMITE INTERPOLATION (SEE SUBROUTINE EVAL)
C $END
C PROGRAM EXPECTS TWO HEADER CARDS AFTER THE $END (SKIPS THEM, BUT YOU
C MAY READ SELECTED HEADER INFORMATION FROM THEM. THEY LOOK LIKE:
C EPOCH DATE RESIDUAL ALTITUDE LATITUDE LONGITUDE FIT DATA FIT ACCEL RES/FIT
C YYMMDDHHMMSS Hz Km Deg. Deg. Hz mm/s**2 Hz
C
C THE HEADERS ARE THEN FOLLOWED BY DATA IN THE FORMAT INPUT BELOW
C
C INTEGER JEPOCH(6), ODATE(6), NDATE(6), ADATE(6), REFEP(6)
C INTEGER*4 EPOCH(2)
C THIS INTEGER *4 AND VARIABLE EPOCH MAY BE ELIMINATED FROM THE CODE
C REAL STATE(6), TSTATE(6), ELAT(3), ELON(3), LONEP, ZEROES(2)
C REAL FITRES(2), FITACC(2), ALT(2), LAT(2), LON(2), TIMES(2), DF(2)
C REAL RTIMES(2)
C CHARACTER*60 HEADER, INTHD
C CHARACTER*80 TOPLAB, TOPLAB2, DUM
C
C NAMELIST /INPUTS/ HEADER, EPOCH, JEPOCH, STATE, ICOORD, TSTATE, LONEP,
1 DUTSEC, TRANSA, TRANSB, GM, ERAD, ELAT, ELON, ROTR, IPLOT, DTFIT, CONFAC,
2 REFEP
C NAMELIST /DEBUG/ TINTER, TIMES

```

**ORIGINAL PAGE IS
OF POOR QUALITY**

```

PARAMETER (INTHD='RES FIT RUN FROM NAMELIST $INPUTS')
DATA (EPOCH(MX),MX=1,2) /720806014,5304060/
DATA (JEPOCH(MX),MX=1,6) /72,8,6,14,53,4/
DATA (STATE(MX),MX=1,6) /6*0./
DATA (TSTATE(MX),MX=1,6) /1557.236,99.47144,-865.5872,
* 8.7733716E-2,-1.687583,2.790156E-2/
DATA (ELAT(MX),MX=1,3) /3*0./
DATA (ELON(MX),MX=1,3) /3*0./
DATA (ZEROES(MX),MX=1,2) /2*0./

C
  ICOORD=0
  LONEP=999.
  DUTSEC=0.
  GM=4902.78
  HEADER=INTHD
  ROTR=.00894
  DTFIT=.25
  IPLOT=0
  CONFAC=1.083
  ALT(1)=-100.

C
C READ INPUT AND VERIFY-PRINT SAME
C
  10 READ (5,INPUTS)
    READ (5,1) TOPLAB
    READ (5,1) TOPLAB2
  1 FORMAT (A80)
    WRITE (6,INPUTS)
    WRITE (6,1) TOPLAB
    WRITE (6,1) TOPLAB2

C
C IF YOU ARE PLOTTING YOU SHOULD INITIALIZE THE PLOT AREA HERE
C SEE THE SYSTEM DOCUMENTATION FOR THE JPL PLOT FORMAT
C
  IX=0
  50 READ (5,2) (NDATE(MX),MX=1,6),RESID,ALT(2),LAT(2),LON(2),
    * FITRES(2),FITACC(2),AFTER
C READ ONE LINE INPUT; IF ALTITUDE ZERO, END RUN; IF -100. IS 1ST POINT
C FIRST IF IX=1 THIS IS PAGE HEADER, SKIP THIS LINE AND HEADER:
  IF (IX.NE.1) GO TO 55
  READ (5,1) DUM
  GO TO 50
  55 IF (FITRES(2).EQ.0.) GO TO 999
  IF (ALT(1).NE.-100.) GO TO 60
  TIMES(2)=0.
  TINTER=0.
  NLINES=30
  40 CALL SAVE (ODATE,NDATE,TIMES,ALT,LAT,LON,FITRES,FITACC)
  RESID=0.
  GO TO 50
  60 CALL DT(ODATE,NDATE,TIMET)
  TIMES(2)=TIMES(1)+TIMET
C COME HERE TO TEST FOR NEXT INTERPOLATED POINT TO CALC & PRINT
  75 IF (TINTER.LE.TIMES(1)) TINTER=TINTER+DTFIT*60.
  IF (TINTER.LE.TIMES(1)) GO TO 75
C REGISTER NEW PAGE
  NLINES=NLINES+1
  IF (NLINES.LE.50) GO TO 76
  NLINES=0
  WRITE (6,6)
  WRITE (6,1) TOPLAB
  WRITE (6,1) TOPLAB2
  76 CONTINUE
  IF (TINTER.LT.TIMES(2)) GO TO 100
C NOW PRINT/PLOT DATA LINE LAST READ IN
  77 IF (RESID.NE.0.) GO TO 90

```

```

C IT IS EITHER A BREAKPOINT LINE OR AN INTERPOLATED LINE
C FROM THIS PROGRAM ITSELF FED-BACK; PRINT APPROPRIATELY
  IF (NDATE(1).EQ.0) GO TO 80
C PRINTS/PLOTS A BREAKPOINT LINE
  WRITE (6,5) (NDATE(MX),MX=1,6),ALT(2),LAT(2),LON(2),
    * FITRES(2),FITACC(2)
  GO TO 40
C PRINTS/PLOTS A PREVIOUS INTERPOLATED POINT FED-BACK
  80 WRITE (6,4) (NDATE(MX),MX=4,6),ALT(2),LAT(2),LON(2),
    * FITRES(2),FITACC(2)
  GO TO 40
C PRINTS/PLOTS A DATA LINE READ IN
  90 WRITE (6,7) (NDATE(MX),MX=1,6),RESID,ALT(2),LAT(2),LON(2),
    * FITRES(2),FITACC(2),AFTER
  GO TO 40
C COME HERE TO INTERPOLATE A POINT BETWEEN PAIR IN MEMORY
100 CONTINUE
  DELT=TINTER-TIMES(1)
  DTALL=TIMES(2)-TIMES(1)
  IF (DTALL.EQ.0) GO TO 75
  TRAT=DELT/DTALL
  RALT=ALT(1)+TRAT*(ALT(2)-ALT(1))
  RLAT=LAT(1)+TRAT*(LAT(2)-LAT(1))
  DLON=LON(2)-LON(1)
  IF (DLON.GT.90.) DLON=DLON-360.
  IF (DLON.LT.-90.) DLON=DLON+360.
  RLON=LON(1)+TRAT*DLON
  IF (RLON.GT.180.) RLON=360.-RLON
  IF (RLON.LE.-180.) RLON=RLON+360.
C NOW DO INTERPOLATION; UNITS MUST BE CORRECTLY HANDLED SEE
C SUBROUTINE EVAL EXPLANATION BELOW
  DO 105 I=1,2
105 RTIMES(I)=TIMES(I)/60.
  RINTER=TINTER/60.
  CALL EVAL (CONFAC,RINTER,RTIMES,FITRES,FITACC,RFIT,RDFIT)
C WRITE (6,DEBUG)
  CALL PDATE (ODATE,DELT,ADATE)
C PRINTS/PLOTS A NEWLY CALCULATED INTERPOLATED POINT
  WRITE (6,4) (ADATE(MX),MX=4,6),RALT,RLAT,RLON,RFIT,RDFIT
  TINTER=TINTER+DTFIT*60.
  GO TO 75
C COMES HERE TO REINITIALISE BEFORE READING ANOTHER POINT
120 CONTINUE
C
999 WRITE (6,6)
GO TO 10
C
2 FORMAT (1H ,6I2,F9.4,F9.2,F9.3,F10.3,F11.7,F11.6,F8.4)
3 FORMAT (1H ,6I2,37X,F11.7,F11.6,8X)
4 FORMAT (1H ,6X,3I2,9X,F9.2,F9.3,F10.3,F11.7,F11.6,8X)
5 FORMAT (1H ,6I2,9X,F9.2,F9.3,F10.3,F11.7,F11.6,8X)
6 FORMAT (1H1,79X)
7 FORMAT (1H ,6I2,F9.4,F9.2,F9.3,F10.3,F11.7,F11.6,F8.4)
END
C
C SUBROUTINE SAVE TO PLACE CURRENT DATA VALUES INTO OLD VALUES
C IN PAIRS TIMES,ALT, LAT, LON, FITRES, FITACC
C
SUBROUTINE SAVE (ODATE,NDATE,TIMES,ALT,LAT,LON,FITRES,FITACC)
REAL TIMES(2),ALT(2),LAT(2),LON(2),FITRES(2),FITACC(2)
INTEGER ODATE(6),NDATE(6)
DO 10 I=1,6
10 ODATE(I)=NDATE(I)
  ALT(1)=ALT(2)
  LAT(1)=LAT(2)
  LON(1)=LON(2)

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FITRES(1)=FITRES(2)
FITACC(1)=FITACC(2)
TIMES(1)=TIMES(2)
RETURN
END
C
C SUBROUTINE EVAL (CONFAC, ATIME, TIMES, F, DF, AFIT, DERFIT)
C DOES HERMITE CUBIC INTERPOLATION TO EVALUATE FUNCTION F WITH
C DERIVATIVES DF EACH GIVING TWO VALUES AT TIMES(1,2) AT TIME
C ATIME, PLACING RESULTS IN AFIT, DERFIT (THE FIT VALUES)
C WRITTEN IN TRANSPORTABLE FORTRAN 77
C ASSUMES THAT ACCELERATION DATA REQUIRES RESCALING BY "CONFAC".
C IT MUST BE REMEMBERED THAT THE UNITS ARE AS FOLLOWS:
C RESIDUALS ARE DOPPLER, UNITS HZ; FIT IS TO RESIDS IN HZ;
C ACCELERATIONS ARE IN HZ/MIN (AN HISTORICAL ARTIFACT FROM OUR
C CONVENIENCE IN DEALING WITH TYPICALLY ONE-MINUTE DOPPLER DATA).
C USER MUST INPUT "CONFAC" WHICH IS THE CONVERSION OF UNITS FROM
C HZ/SEC TO MM/S2; FOR S-BAND DATA THIS IS * 1.083 (65/60);
C FOR X BAND DATA IN FUTURE IT WILL BE 3/11 * 65/60 (.2955).
C F AND DF AND TIME MUST BE IN THE SAME UNITS FOR HERMITE
C CUBIC INTERPOLATION TO WORK CORRECTLY.
C DIMENSION TIMES(2), F(2), DF(2)
C DATA ONE, TWO, THREE, SIX / 1.0, 2.0, 3.0, 6.0 /
C -----
C
C 40 R=TIMES(2)-TIMES(1)
C Y=(ATIME-TIMES(1))/R
C Q1=Y-ONE
C GET FIT VALUE HERE
C 50 Q4=TWO*Y
C Q2=ONE+Q4
C Q3=THREE-Q4
C Q4=Q1**2
C Q5=Y**2
C AFIT=Q4*(Q2*F(1)+R*Y*DF(1))+Q5*(Q3*F(2)+R*Q1*DF(2))
C GET DERIVATIVE VALUE HERE
C 60 Q2=THREE*Y
C Q3=SIX*Y/R
C C=CONFAC
C DERFIT=Q1*(Q3*(F(1)-F(2))+(Q2-ONE)*DF(1)/C)+Y*(Q2-TWO)*DF(2)/C
C DERFIT=DERFIT*C
C RETURN
C
C END
C
C SUBROUTINE DT FINDS SECONDS OF TIME BETWEEN TWO DATES
C
C SUBROUTINE DT(FDATE, NDATE, SECS)
C
C INTEGER FDATE(6), SDATE(6), NDATE(6)
C NAMELIST /DTOUT/ SDATE, ISEC, IMIN, IHR
C
C THESE DATES MUST NOT BE MORE THAN 24 HOURS APART, SDATE.GT.NDATE
C FORMAT IS YY,MM,DD,HH,MM,SS INTEGERS IN ARRAYS OF LENGTH 6
C
C DO 5 I=1,6
C 5 SDATE(I)=NDATE(I)
C ISEC=SDATE(6)-FDATE(6)
C IF (ISEC.GE.0) GO TO 10
C SDATE(5)=SDATE(5)-1
C ISEC=ISEC+60
C 10 IMIN=SDATE(5)-FDATE(5)
C IF (IMIN.GE.0) GO TO 20
C SDATE(4)=SDATE(4)-1
C IMIN=IMIN+60
C 20 IHR=SDATE(4)-FDATE(4)

```



```

      IF (IHR.GE.0) GO TO 30
      IHR=IHR+24
30  ISEC=ISEC+60*IMIN+3600*IHR
      SECS=ISEC
C   WRITE (6,DTOUT)
      END
C
C   SUBROUTINE PDATE FINDS A DATE WHICH IS SECS SECONDS PAST ANOTHER
C
      SUBROUTINE PDATE (FDATE,SECS,ADATE)
C
C   FDATE PLUS SECS GOES INTO ADATE, SEE DT FOR DEFINITIONS
C   SECS MUST BE LESS THAN 24 HOURS, AND ONLY HH,MM,SS IN ADATE
C   ARE CORRECT (FOR SHOWING LAST THREE ENTRIES IN ADATE ONLY)
C
      INTEGER FDATE (6) , ADATE (6)
C
      DO 5 I=4,6
5  ADATE (I)=0
      IHRS=SECS/3600.
      SECS=SECS-IHRS*3600
      IMINS=SECS/60.
      SECS=SECS-IMINS*60
      ISECS=SECS+.001
      ADATE (6)=FDATE (6)+ISECS
      IF (ADATE (6).LT.60) GO TO 10
      ADATE (6)=ADATE (6)-60
      ADATE (5)=1
10  ADATE (5)=ADATE (5)+FDATE (5)+IMINS
      IF (ADATE (5).LT.60) GO TO 20
      ADATE (5)=ADATE (5)-60
      ADATE (4)=1
20  ADATE (4)=FDATE (4)+IHRS
      IF (FDATE (4).GT.23) FDATE (4)=FDATE (4)-24
      END

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SAMPLE OF UTILITY PROGRAM RESFIT OUTPUT FOLLOWS:

```

$INPUTS
HEADER = 'APOLLO 15 REV 253
EPOCH = 710802517, 4119930,
JEPOCH = 71, 8, 25, 17, 41,
STATE = 19, 1857.735, 1.3162100E-02, 151.1737, 144.8049,
65.91480, 71.49020,
ICoord = 1,
TSTATE = 1744.869, 111.4591, 603.6049, 0.3150277,
-1.495039, -0.5724581,
LONEP = 999.0000,
DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780,
ERAD = 405377.0,
ELAT = 3.818377, 2*0.0000000E+00,
ELON = -2.268356, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
IPLOT = 0,
DTFIT = 0.2000000,
CONFAC = 1.083000,
REFEP = 6*0
$END

```

EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
171312		96.09	22.026	97.724	0.6219841	0.133117	
171324		96.03	22.224	97.090	0.6432908	0.096330	
171336		95.96	22.422	96.457	0.6572940	0.063137	
171348		95.90	22.620	95.823	0.6653236	0.033538	
71 8251714 0	0.6699	95.84	22.818	95.190	0.6687091	0.007534	0.0012
171412		95.79	23.006	94.550	0.6681698	-0.014888	
171424		95.74	23.195	93.909	0.6636464	-0.033704	
71 825171430		95.71	23.289	93.589	0.6599413	-0.041761	
171436		95.69	23.380	93.267	0.6556277	-0.049513	
171448		95.64	23.562	92.622	0.6453933	-0.065992	
71 8251715 0	0.6259	95.60	23.744	91.977	0.6312761	-0.083771	-0.0054
171512		95.56	23.916	91.325	0.6137162	-0.102805	
171524		95.53	24.088	90.674	0.5937129	-0.123111	
171536		95.49	24.260	90.022	0.5700183	-0.144688	
171548		95.46	24.432	89.371	0.5413839	-0.167538	
71 8251716 0	0.5180	95.42	24.604	88.719	0.5065620	-0.191659	0.0114
171612		95.40	24.766	88.061	0.4687231	-0.217137	
171624		95.37	24.927	87.403	0.4273199	-0.243783	
71 825171630		95.36	25.008	87.074	0.4031487	-0.257543	
171636		95.35	25.085	86.743	0.3778651	-0.270569	

EPOCH DATE YYMMDDHHMMSS	RESIDUAL Hz	ALTITUDE Km	LATITUDE Deg.	LONGITUDE Deg.	FIT DATA Hz	FIT ACCEL mm/s**2	RES/FIT Hz
171648		95.34	25.240	86.080	0.3274893	-0.291481	
71 8251717 0	0.2584	95.32	25.394	85.418	0.2715188	-0.305539	-0.0131
171712		95.31	25.541	84.752	0.2137842	-0.312624	
171724		95.30	25.688	84.085	0.1576376	-0.312569	
71 825171730		95.29	25.761	83.752	0.1277421	-0.309865	
171736		95.29	25.831	83.417	0.0981343	-0.305961	
171748		95.28	25.970	82.746	0.0440867	-0.296276	
71 8251718 0	-0.0048	95.28	26.109	82.075	-0.0099682	-0.284089	0.0052
171812		95.29	26.237	81.399	-0.0634310	-0.269151	
171824		95.30	26.364	80.723	-0.1110039	-0.251569	
171836		95.30	26.492	80.046	-0.1539167	-0.231344	
171848		95.31	26.619	79.370	-0.1933995	-0.208475	
71 8251719 0	-0.2225	95.32	26.747	78.694	-0.2306820	-0.182962	0.0082
171912		95.34	26.863	78.012	-0.2625297	-0.154849	
171924		95.35	26.978	77.331	-0.2874043	-0.124023	
71 825171930		95.36	27.036	76.990	-0.2984062	-0.107593	
171936		95.37	27.090	76.647	-0.3080666	-0.090586	
171948		95.40	27.197	75.962	-0.3213324	-0.054948	
71 8251720 0	-0.3450	95.42	27.304	75.277	-0.3277214	-0.017146	-0.0173
172012		95.45	27.403	74.589	-0.3276383	0.022902	
172024		95.48	27.502	73.901	-0.3195764	0.065130	
71 825172030		95.50	27.552	73.557	-0.3121062	0.087061	
172036		95.52	27.597	73.211	-0.3028598	0.108071	
172048		95.55	27.688	72.520	-0.2803519	0.143162	
71 8251721 0	-0.2310	95.59	27.778	71.829	-0.2507720	0.169017	0.0198
172112		95.64	27.856	71.134	-0.2166222	0.185530	
172124		95.69	27.933	70.439	-0.1821217	0.192739	
172136		95.73	28.011	69.744	-0.1477832	0.190645	
172148		95.78	28.088	69.049	-0.1141203	0.179247	
71 8251722 0	-0.1015	95.83	28.166	68.354	-0.0816457	0.158547	-0.0199
172212		95.89	28.230	67.656	-0.0543579	0.128576	
172224		95.95	28.295	66.957	-0.0348627	0.089243	
71 825172230		95.98	28.327	66.608	-0.0275448	0.066065	
172236		96.01	28.355	66.258	-0.0221746	0.043091	
172248		96.08	28.410	65.558	-0.0178711	0.005140	
71 8251723 0	-0.0002	96.14	28.465	64.858	-0.0199708	-0.022147	0.0198
172312		96.21	28.512	64.156	-0.0257245	-0.038805	
172324		96.28	28.559	63.455	-0.0334579	-0.044779	
71 825172330		96.32	28.582	63.104	-0.0377536	-0.043759	
172336		96.36	28.601	62.753	-0.0418609	-0.041521	
172348		96.43	28.638	62.050	-0.0489620	-0.037742	
71 8251724 0	-0.0752	96.51	28.676	61.347	-0.0556860	-0.034892	-0.0195
172412		96.60	28.700	60.643	-0.0621935	-0.032938	
172424		96.69	28.724	59.939	-0.0680409	-0.031896	
172436		96.77	28.748	59.234	-0.0736508	-0.031765	
172448		96.86	28.772	58.530	-0.0794457	-0.032545	
71 8251725 0	-0.0668	96.95	28.796	57.826	-0.0858482	-0.034236	0.0190
172512		97.05	28.806	57.121	-0.0924312	-0.036852	
172524		97.15	28.817	56.416	-0.0993481	-0.040362	
71 825172530		97.20	28.822	56.063	-0.1033360	-0.042452	
172536		97.25	28.823	55.711	-0.1075000	-0.044235	

... END SAMPLE OF RESFIT UTILITY PROGRAM OUTPUT

APPENDIX F

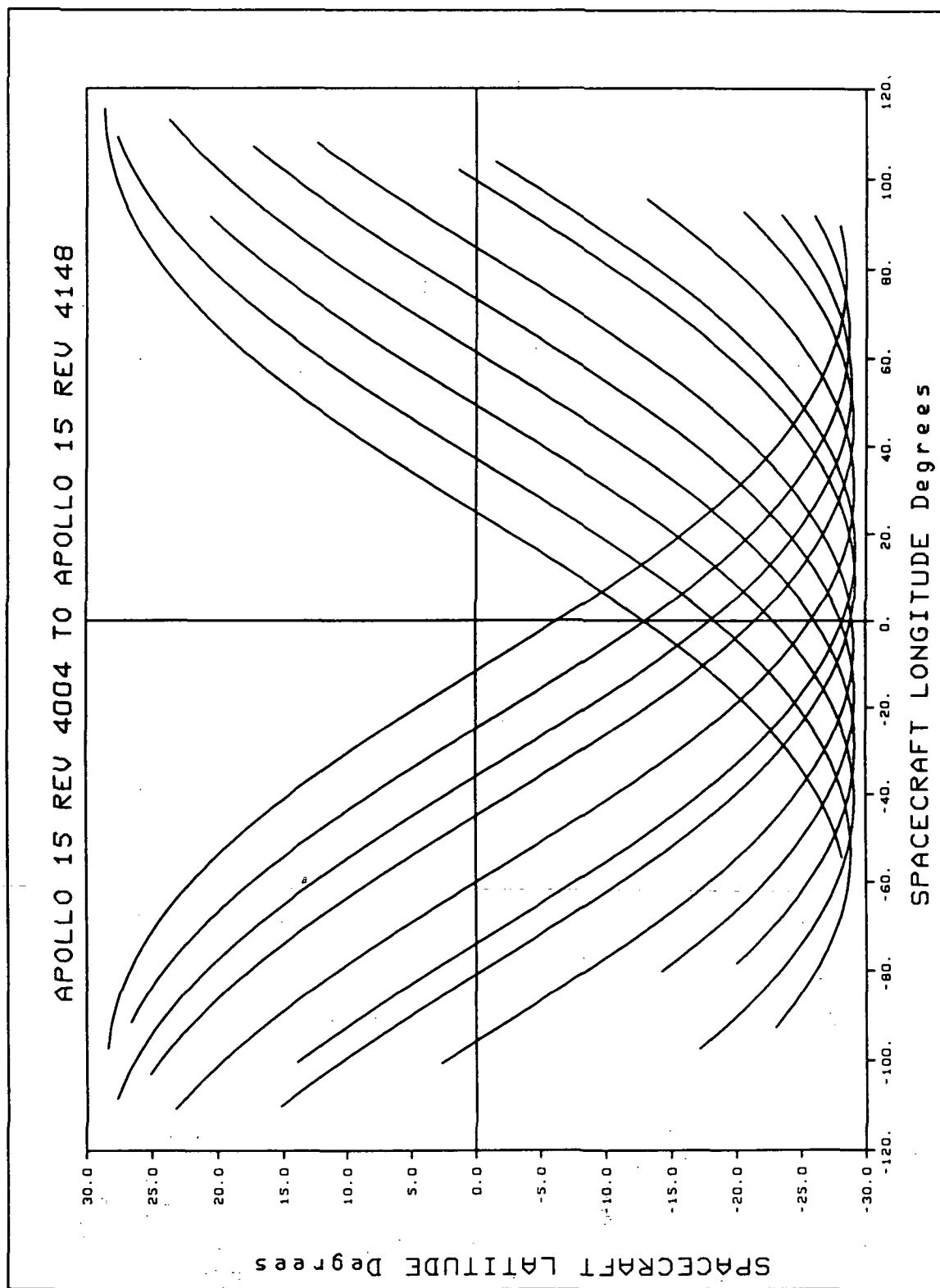
DATA COVERAGE PLOTS AND CONCORDANCE

This appendix provides a set of plotted orbit tracks (i.e., sub-orbital traces) for each orbit in the database. These are grouped together in sets of sequential orbits. Some data sets have nominally each second orbit, others each twelfth, or other intervals. Some of the longer sequences are broken down into subsets in order to make the plots readable.

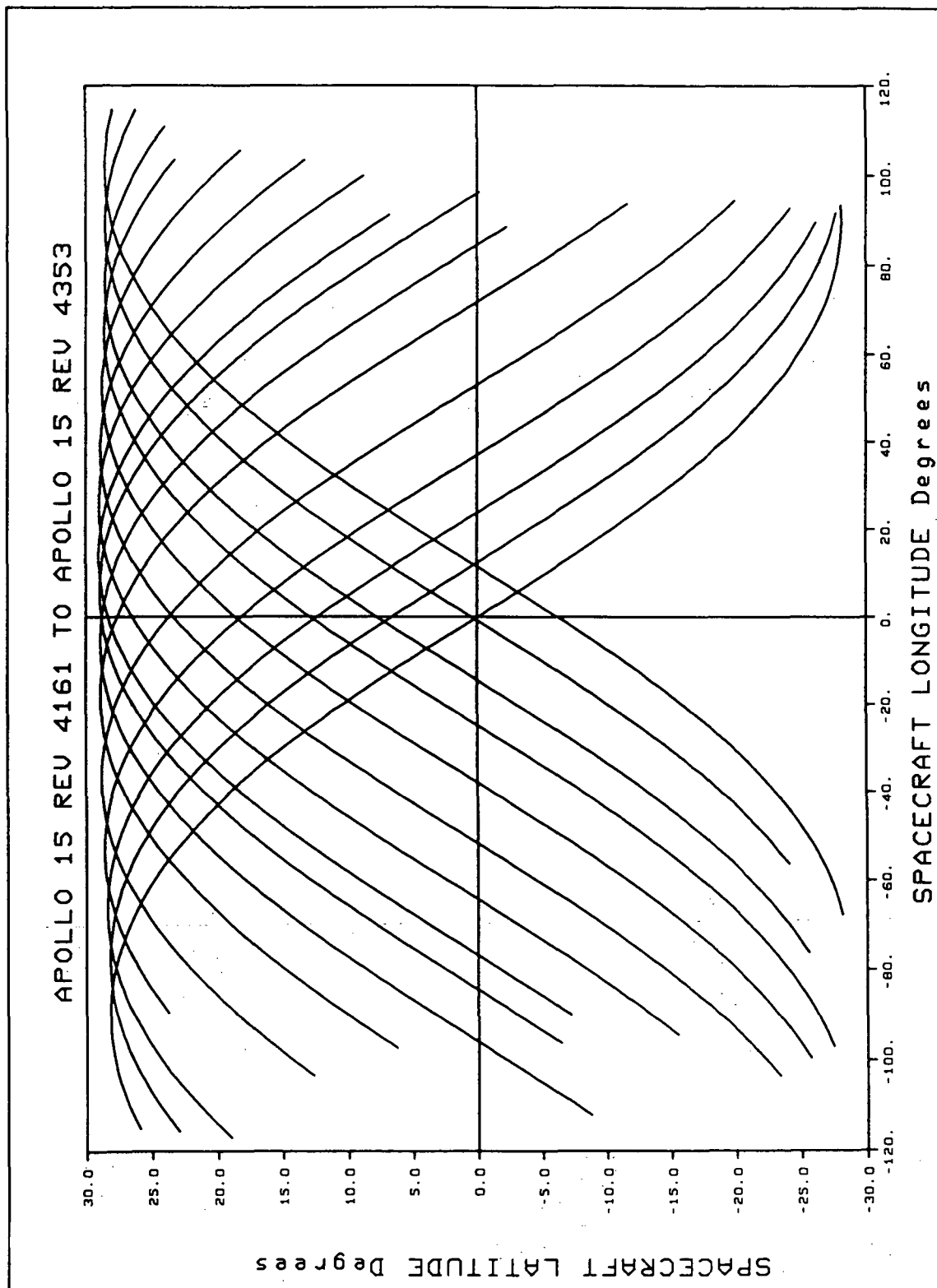
The orbit number range is given at the top of each plot. At the end of the plot set a concordance is provided for each orbit on a given plot. It lists orbit number, date, and the latitude/longitude pairs for the beginning and end of the orbit track, respectively.

NOTE: The orbit track direction is from EAST to WEST (right to left)

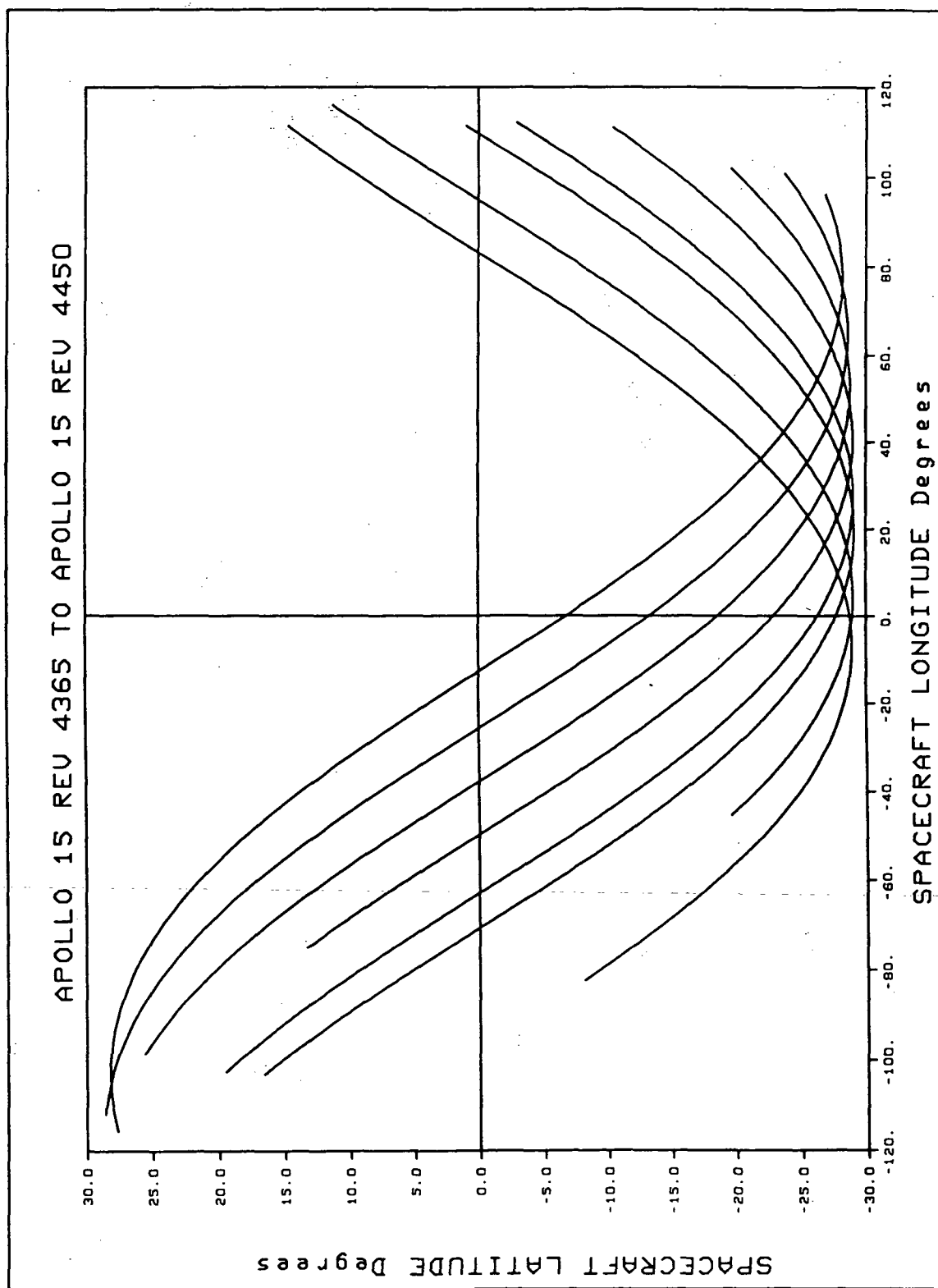
Since the lunar rotation is prograde, the next orbit in a sequence has a lesser longitude (at the same latitude). Using this information, and the concordances, it is easily possible to identify an individual orbit number from the plots. It will be appreciated that placing orbit numbers directly on the plots was not practical.



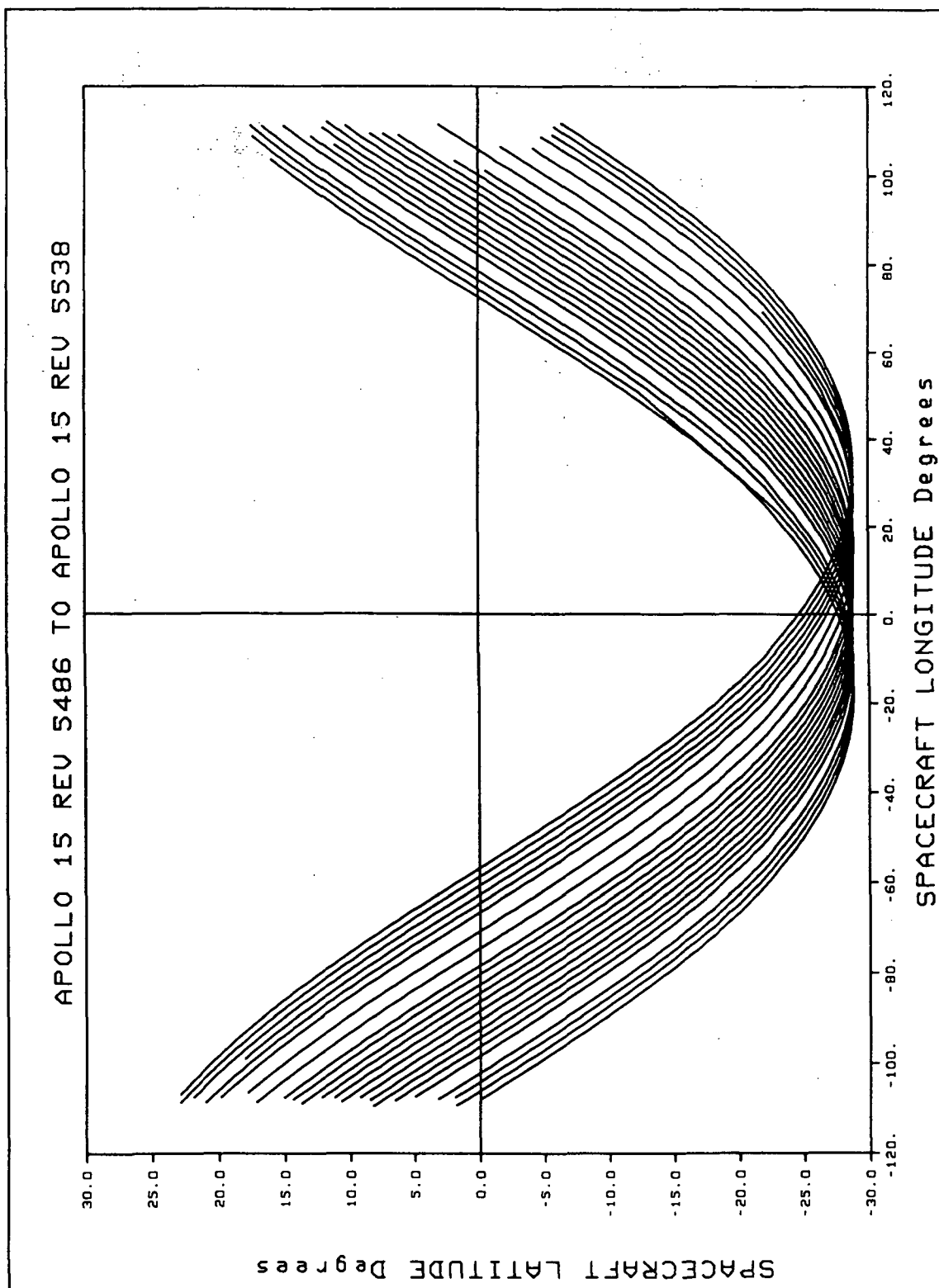
F-2 Plot 1

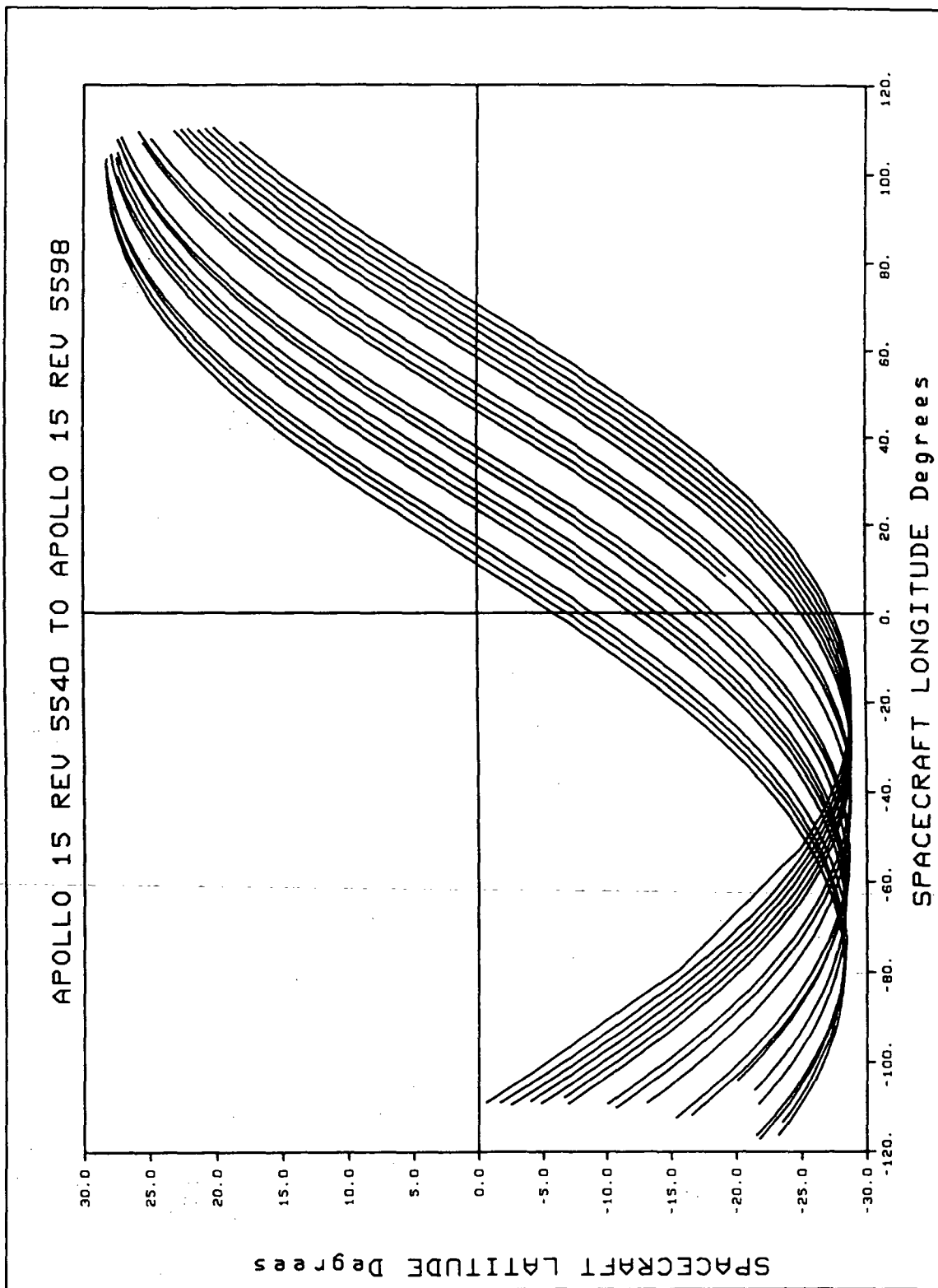


F-3 Plot 2

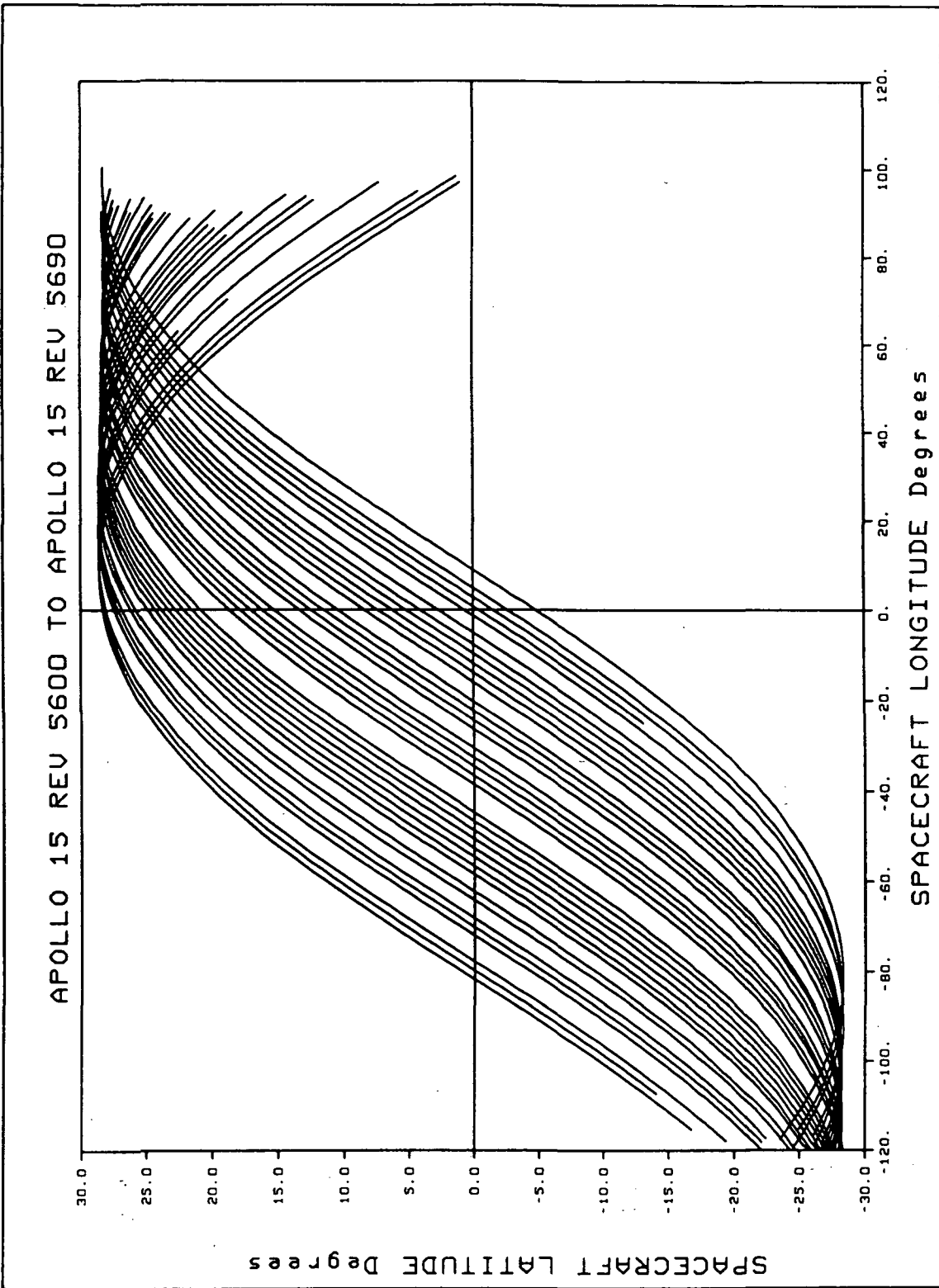


F-4 Plot 3

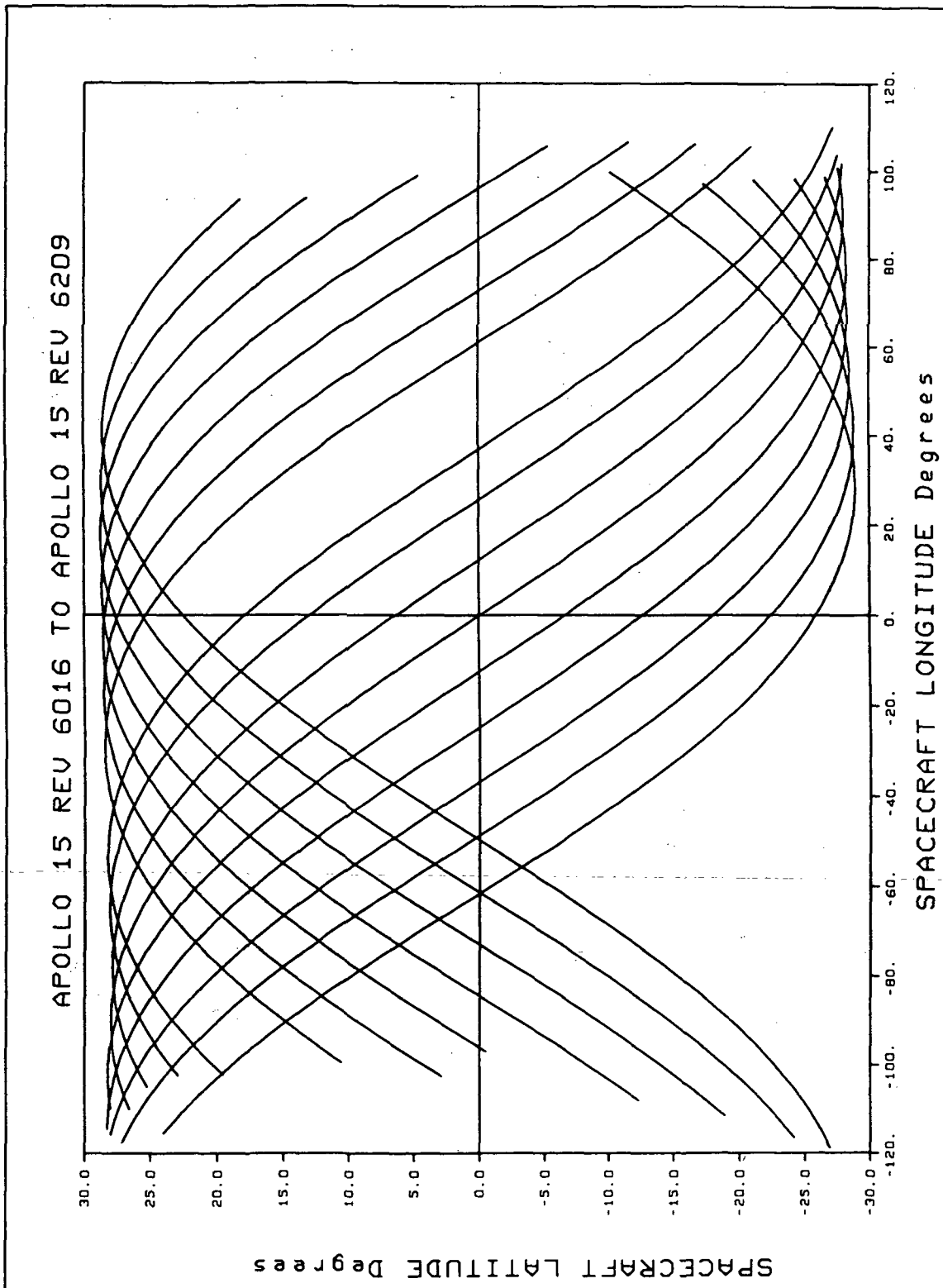




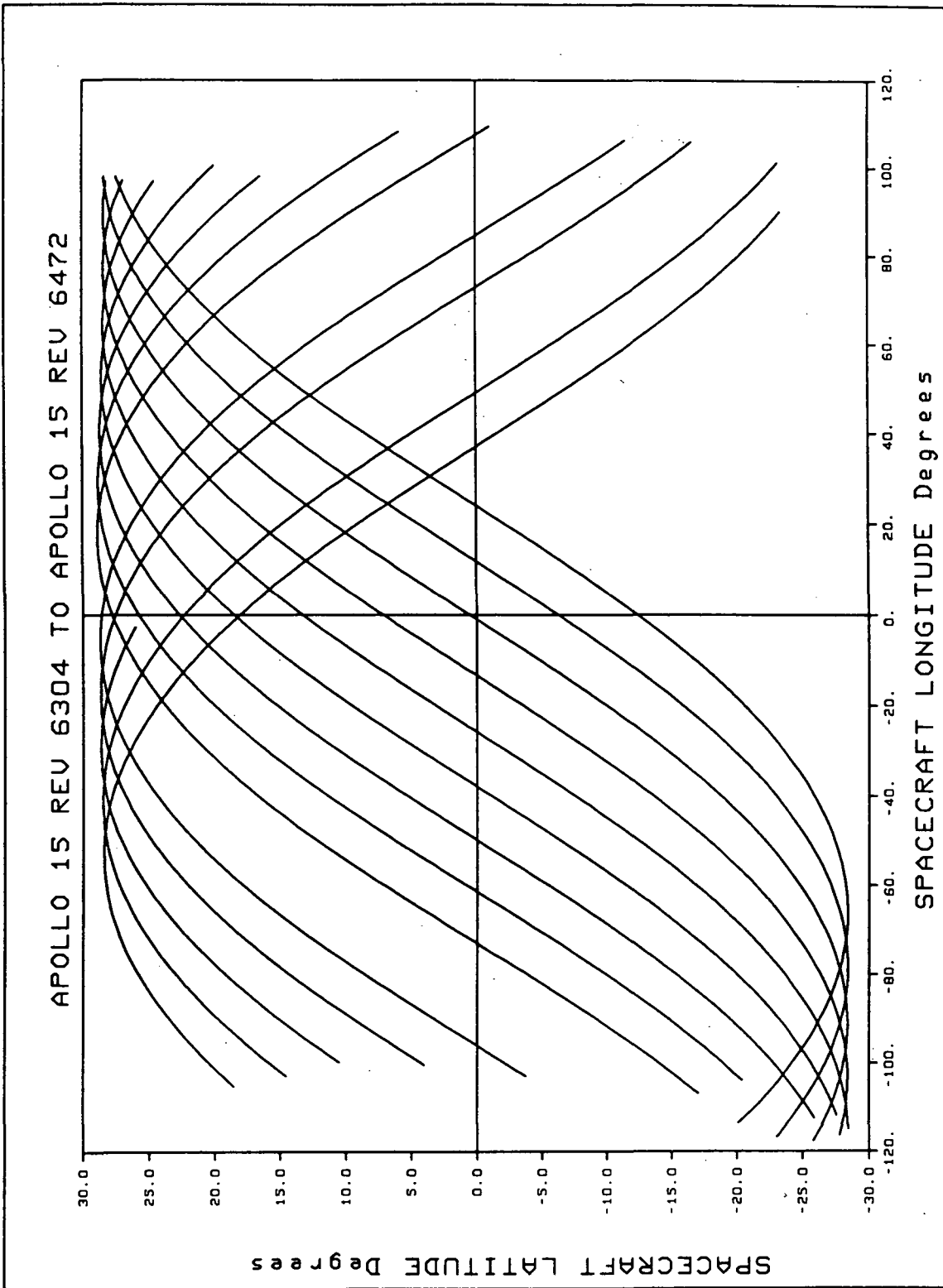
F-6 Plot 5



F-7 Plot 6



F-8 Plot 7



F-9 Plot 8

COMPANION LISTING TO TRACK PLOT

APOLLO 15 REV 253 71 8251713 0 LAT/LONS = 21.83 98.36 -27.76 -108.59
(SEE STANDARD PLOT; SUMMARY PLOT NOT PROVIDED HERE)

COMPANION LISTING TO TRACK PLOT NUMBER 1

APOLLO 15 REV 4004	72 63015 2 8	LAT/LONS =	-28.01	89.56	28.38	-97.44
APOLLO 15 REV 4017	72 630165359	LAT/LONS =	-26.05	91.83	26.59	-91.59
APOLLO 15 REV 4028	72 630144728	LAT/LONS =	-23.50	92.05	27.67	-108.50
APOLLO 15 REV 4037	72 630 84157	LAT/LONS =	-20.56	92.65	25.14	-103.13
APOLLO 15 REV 4053	72 630163130	LAT/LONS =	-13.13	95.39	23.23	-110.89
APOLLO 15 REV 4066	72 630181936	LAT/LONS =	-1.50	103.71	13.85	-100.39
APOLLO 15 REV 4073	72 630 81530	LAT/LONS =	1.33	101.92	15.20	-110.23
APOLLO 15 REV 4088	72 63014 240	LAT/LONS =	12.32	107.90	2.66	-100.62
APOLLO 15 REV 4100	72 630135431	LAT/LONS =	17.26	107.19	-14.23	-80.18
APOLLO 15 REV 4112	72 7 1134431	LAT/LONS =	23.63	113.04	-20.00	-78.42
APOLLO 15 REV 4124	72 7 1134413	LAT/LONS =	20.50	91.62	-17.15	-97.45
APOLLO 15 REV 4136	72 7 1133029	LAT/LONS =	27.62	109.26	-22.99	-92.79
APOLLO 15 REV 4148	72 7 1132050	LAT/LONS =	28.58	115.50	-28.15	-54.50

COMPANION LISTING TO TRACK PLOT NUMBER 2

APOLLO 15 REV 4161	72 7 1151254	LAT/LONS =	27.97	114.75	-28.14	-67.80
APOLLO 15 REV 4173	72 7 115 531	LAT/LONS =	26.19	114.71	-24.08	-56.28
APOLLO 15 REV 4186	72 7 1165828	LAT/LONS =	23.98	111.04	-25.56	-76.21
APOLLO 15 REV 4196	72 7 1125431	LAT/LONS =	23.24	103.62	-27.42	-97.08
APOLLO 15 REV 4209	72 7 1144523	LAT/LONS =	18.18	105.67	-25.69	-99.46
APOLLO 15 REV 4223	72 7 11837 0	LAT/LONS =	13.24	103.50	-23.37	-103.47
APOLLO 15 REV 4236	72 7 2202940	LAT/LONS =	8.77	100.00	-15.48	-94.41
APOLLO 15 REV 4249	72 7 2222416	LAT/LONS =	6.76	91.36	-7.17	-89.97
APOLLO 15 REV 4257	72 7 21417 2	LAT/LONS =	-0.14	96.39	-6.43	-96.21
APOLLO 15 REV 4269	72 7 2141142	LAT/LONS =	-2.26	88.74	-8.73	-112.13
APOLLO 15 REV 4282	72 7 216 1 0	LAT/LONS =	-11.65	93.86	6.24	-97.24
APOLLO 15 REV 4301	72 7 2 54821	LAT/LONS =	-19.99	94.64	12.63	-103.36
APOLLO 15 REV 4317	72 7 2133859	LAT/LONS =	-24.23	92.87	23.73	-89.55
APOLLO 15 REV 4330	72 7 21532 2	LAT/LONS =	-26.22	89.74	18.97	-117.12
APOLLO 15 REV 4341	72 7 2132453	LAT/LONS =	-27.75	91.77	22.98	-115.67
APOLLO 15 REV 4353	72 7 3131714	LAT/LONS =	-28.12	93.54	25.94	-115.18

COMPANION LISTING TO TRACK PLOT NUMBER 3

APOLLO 15 REV 4365	72 7 313 924	LAT/LONS =	-26.93	96.22	27.65	-115.66
APOLLO 15 REV 4378	72 8 115 030	LAT/LONS =	-23.77	100.84	28.58	-111.81
APOLLO 15 REV 4390	72 8 2145242	LAT/LONS =	-19.67	101.97	25.57	-98.53
APOLLO 15 REV 4402	72 8 3144152	LAT/LONS =	-10.48	111.18	13.28	-75.04
APOLLO 15 REV 4415	72 8 4163242	LAT/LONS =	-2.93	112.29	19.46	-102.53
APOLLO 15 REV 4423	72 8 5 82733	LAT/LONS =	0.96	111.55	16.54	-103.01
APOLLO 15 REV 4438	72 8 6141518	LAT/LONS =	11.27	116.06	-19.64	-45.41
APOLLO 15 REV 4450	72 8 714 831	LAT/LONS =	14.65	111.48	-8.15	-82.29

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COMPANION LISTING TO TRACK PLOT NUMBER 4

APOLLO 15 REV 5486	7211 111 535	LAT/LONS =	-6.43	111.86	22.84	-106.84
APOLLO 15 REV 5488	7211 115 435	LAT/LONS =	-5.88	111.00	22.84	-108.68
APOLLO 15 REV 5490	7211 119 354	LAT/LONS =	-5.80	109.23	21.87	-107.46
APOLLO 15 REV 5492	7211 123 245	LAT/LONS =	-4.94	108.81	18.02	-98.92
APOLLO 15 REV 5494	7211 2 31525	LAT/LONS =	-21.93	68.99	20.96	-108.65
APOLLO 15 REV 5496	7211 2 7 1 5	LAT/LONS =	-4.24	106.16	19.82	-107.51
APOLLO 15 REV 5500	7211 2145818	LAT/LONS =	-1.79	106.50	17.78	-106.41
APOLLO 15 REV 5504	7211 2225345	LAT/LONS =	3.05	111.51	17.12	-108.58
APOLLO 15 REV 5508	7211 3 65455	LAT/LONS =	-0.52	101.18	15.01	-107.55
APOLLO 15 REV 5510	7211 3105245	LAT/LONS =	1.74	103.36	14.34	-108.00
APOLLO 15 REV 5512	7211 3144914	LAT/LONS =	6.10	109.14	13.70	-108.88
APOLLO 15 REV 5514	7211 3184745	LAT/LONS =	7.30	109.54	12.16	-107.53
APOLLO 15 REV 5516	7211 3224625	LAT/LONS =	8.30	109.49	11.21	-107.55
APOLLO 15 REV 5518	7211 4 24424	LAT/LONS =	10.23	111.28	10.68	-108.48
APOLLO 15 REV 5520	7211 4 64245	LAT/LONS =	11.67	112.18	9.22	-107.61
APOLLO 15 REV 5522	7211 4104154	LAT/LONS =	11.98	110.76	8.41	-108.10
APOLLO 15 REV 5524	7211 4144155	LAT/LONS =	11.02	107.00	8.19	-109.49
APOLLO 15 REV 5526	7211 4183954	LAT/LONS =	12.83	108.81	6.51	-108.21
APOLLO 15 REV 5528	7211 4223744	LAT/LONS =	14.90	111.22	4.94	-107.33
APOLLO 15 REV 5532	7211 5 635 5	LAT/LONS =	16.54	111.21	3.20	-107.91
APOLLO 15 REV 5534	7211 5103344	LAT/LONS =	17.42	111.28	1.89	-107.51
APOLLO 15 REV 5536	7211 5143315	LAT/LONS =	17.27	108.92	1.77	-109.29
APOLLO 15 REV 5538	7211 5183345	LAT/LONS =	15.86	103.64	0.00	-108.03

COMPANION LISTING TO TRACK PLOT NUMBER 5

APOLLO 15 REV 5540	7211 5223115	LAT/LONS =	18.16	107.18	-0.59	-108.95
APOLLO 15 REV 5542	7211 6 22855	LAT/LONS =	20.17	110.38	-1.69	-109.00
APOLLO 15 REV 5544	7211 6 62745	LAT/LONS =	20.79	110.10	-2.53	-109.50
APOLLO 15 REV 5546	7211 6102635	LAT/LONS =	21.33	109.82	-4.01	-108.70
APOLLO 15 REV 5548	7211 6142514	LAT/LONS =	22.10	110.10	-4.85	-109.20
APOLLO 15 REV 5550	7211 61824 5	LAT/LONS =	22.65	109.88	-6.58	-107.96
APOLLO 15 REV 5552	7211 6222255	LAT/LONS =	23.15	109.67	-6.90	-109.33
APOLLO 15 REV 5558	7211 7102512	LAT/LONS =	18.90	91.06	-10.06	-109.28
APOLLO 15 REV 5560	7211 7141835	LAT/LONS =	24.89	107.90	-10.72	-110.17
APOLLO 15 REV 5562	7211 7181655	LAT/LONS =	25.84	109.52	-19.27	8.46
APOLLO 15 REV 5564	7211 7221630	LAT/LONS =	25.48	106.86	-13.12	-109.11
APOLLO 15 REV 5572	7211 8141114	LAT/LONS =	27.15	108.33	-15.35	-112.35
APOLLO 15 REV 5574	7211 8181015	LAT/LONS =	27.43	107.66	-16.55	-111.83
APOLLO 15 REV 5576	7211 822 915	LAT/LONS =	27.30	106.87	-20.06	-104.04
APOLLO 15 REV 5580	7211 9 6 725	LAT/LONS =	27.45	104.82	-28.29	-60.27
APOLLO 15 REV 5582	7211 910 635	LAT/LONS =	27.57	103.52	-21.41	-106.09
APOLLO 15 REV 5584	7211 914 635	LAT/LONS =	27.40	99.35	-28.17	-72.32
APOLLO 15 REV 5586	7211 918 354	LAT/LONS =	27.97	104.40	-21.68	-109.29
APOLLO 15 REV 5592	7211110 6 125	LAT/LONS =	28.23	100.62	-21.55	-116.32
APOLLO 15 REV 5594	721111010 115	LAT/LONS =	27.96	97.00	-21.76	-117.15
APOLLO 15 REV 5596	7211110135815	LAT/LONS =	28.30	103.36	-23.49	-113.43
APOLLO 15 REV 5598	7211110175734	LAT/LONS =	28.24	101.52	-23.21	-116.28

COMPANION LISTING TO TRACK PLOT NUMBER 6

APOLLO 15 REV 5600	721110215644	LAT/LONS =	28.31	100.30	-23.49	-117.61
APOLLO 15 REV 5604	7211111 556 0	LAT/LONS =	28.26	94.61	-24.99	-115.30
APOLLO 15 REV 5606	7211111 95619	LAT/LONS =	28.23	89.27	-24.60	-119.21
APOLLO 15 REV 5608	7211111135649	LAT/LONS =	28.07	83.35	-13.08	-24.95
APOLLO 15 REV 5610	7211111175340	LAT/LONS =	28.38	90.33	-26.01	-117.09
APOLLO 15 REV 5614	7211112 15040	LAT/LONS =	27.97	92.54	-26.23	-118.52
APOLLO 15 REV 5616	7211112 54839	LAT/LONS =	27.65	95.40	-26.76	-118.21
APOLLO 15 REV 5618	72111210 240	LAT/LONS =	23.10	42.95	-26.64	-121.08
APOLLO 15 REV 5620	7211121347 0	LAT/LONS =	27.48	92.93	-27.14	-119.65
APOLLO 15 REV 5622	721112174620	LAT/LONS =	27.47	91.11	-27.31	-120.38
APOLLO 15 REV 5624	721112214459	LAT/LONS =	27.08	91.59	-27.26	-122.17
APOLLO 15 REV 5628	7211113 54210	LAT/LONS =	26.12	93.07	-27.48	-123.07
APOLLO 15 REV 5630	7211113 94144	LAT/LONS =	26.44	90.39	-27.97	-121.71
APOLLO 15 REV 5632	721113134040	LAT/LONS =	26.14	89.96	-27.99	-123.01
APOLLO 15 REV 5634	721113173830	LAT/LONS =	25.09	93.27	-28.16	-120.90
APOLLO 15 REV 5638	7211114 13629	LAT/LONS =	24.55	91.63	-28.27	-120.94
APOLLO 15 REV 5640	7211114 53550	LAT/LONS =	24.47	89.78	-28.24	-121.73
APOLLO 15 REV 5642	7211114 93459	LAT/LONS =	24.45	88.48	-28.34	-121.45
APOLLO 15 REV 5644	721114133319	LAT/LONS =	23.50	89.89	-28.26	-122.77
APOLLO 15 REV 5646	7211141732 9	LAT/LONS =	23.10	89.67	-28.23	-121.92
APOLLO 15 REV 5652	7211115 52710	LAT/LONS =	21.59	88.64	-28.26	-128.49
APOLLO 15 REV 5654	7211115 94220	LAT/LONS =	28.39	38.68	-27.69	-122.32
APOLLO 15 REV 5656	721115132539	LAT/LONS =	19.66	90.47	-27.67	-124.19
APOLLO 15 REV 5658	721115172530	LAT/LONS =	20.20	87.16	-27.33	-122.79
APOLLO 15 REV 5660	721115212429	LAT/LONS =	19.73	86.38	-27.13	-123.57
APOLLO 15 REV 5662	7211116 12159	LAT/LONS =	17.59	90.03	-26.42	-121.09
APOLLO 15 REV 5664	7211116 52230	LAT/LONS =	18.80	84.79	-25.96	-120.79
APOLLO 15 REV 5666	7211116 91759	LAT/LONS =	14.27	94.08	-25.97	-122.16
APOLLO 15 REV 5670	721116171530	LAT/LONS =	12.73	93.72	-24.75	-120.09
APOLLO 15 REV 5672	721116211430	LAT/LONS =	12.20	92.84	-24.33	-120.38
APOLLO 15 REV 5676	7211117 522 9	LAT/LONS =	22.47	62.89	-22.40	-117.41
APOLLO 15 REV 5678	7211117 9 859	LAT/LONS =	7.22	96.90	-22.06	-118.27
APOLLO 15 REV 5680	721117131719	LAT/LONS =	18.69	70.04	-22.07	-120.18
APOLLO 15 REV 5686	7211118 1 419	LAT/LONS =	4.23	94.96	-19.33	-117.91
APOLLO 15 REV 5688	7211118 5 139	LAT/LONS =	1.29	98.33	-14.07	-107.28
APOLLO 15 REV 5690	7211118 9 050	LAT/LONS =	0.99	96.92	-16.73	-115.41

COMPANION LISTING TO TRACK PLOT NUMBER 7

APOLLO 15 REV 6016	7212 1 93340	LAT/LONS =	18.23	93.44	-26.91	-118.74
APOLLO 15 REV 6028	7212 1 92540	LAT/LONS =	13.21	93.70	-24.16	-116.54
APOLLO 15 REV 6040	7212 1 91531	LAT/LONS =	4.70	98.94	-18.85	-111.53
APOLLO 15 REV 6052	7212 1 9 428	LAT/LONS =	-5.30	105.85	-12.29	-108.03
APOLLO 15 REV 6064	7212 1 85540	LAT/LONS =	-11.61	106.72	-0.48	-96.94
APOLLO 15 REV 6076	7212 2 84728	LAT/LONS =	-16.70	106.27	2.89	-102.52
APOLLO 15 REV 6087	7212 2 83928	LAT/LONS =	-20.99	106.07	10.57	-99.44
APOLLO 15 REV 6112	7212 2 823 8	LAT/LONS =	-27.19	110.17	19.53	-102.18
APOLLO 15 REV 6124	7212 2 818 0	LAT/LONS =	-27.55	103.86	22.91	-102.33
APOLLO 15 REV 6136	7212 2 81059	LAT/LONS =	-27.89	101.80	25.28	-104.98
APOLLO 15 REV 6148	7212 2 8 359	LAT/LONS =	-27.58	101.00	26.63	-110.04
APOLLO 15 REV 6160	7212 2 75731	LAT/LONS =	-26.62	98.75	28.05	-109.94
APOLLO 15 REV 6172	7212 2 75031	LAT/LONS =	-24.32	98.40	28.28	-114.53
APOLLO 15 REV 6184	7212 2 74329	LAT/LONS =	-21.13	98.08	28.03	-115.82
APOLLO 15 REV 6196	7212 3 73629	LAT/LONS =	-17.33	97.18	27.14	-117.48
APOLLO 15 REV 6209	7212 3 92731	LAT/LONS =	-10.19	99.83	24.00	-115.50

COMPANION LISTING TO TRACK PLOT NUMBER 8

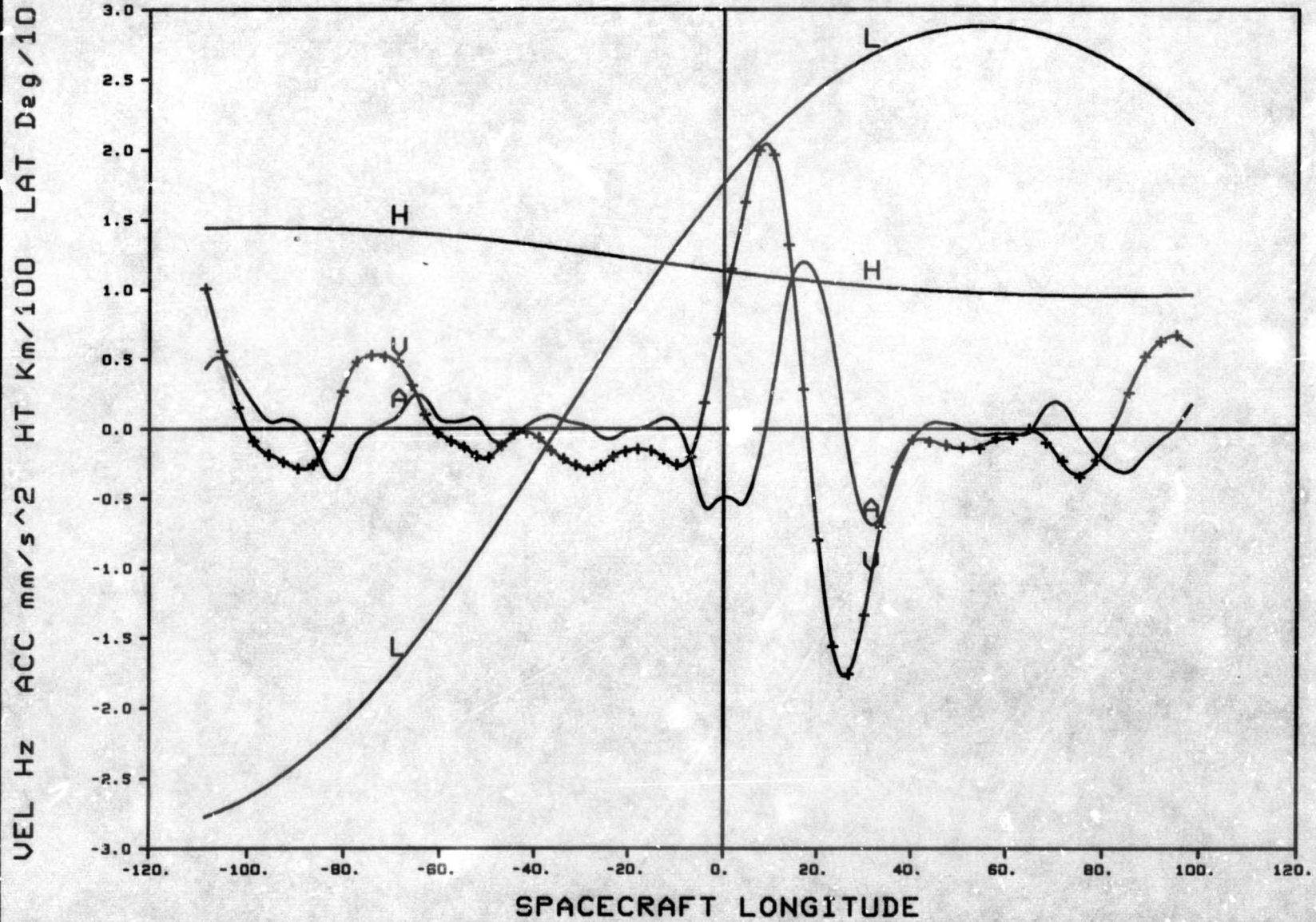
APOLLO 15 REV 6304	73 1 8 62559	LAT/LONS =	27.43	97.99	-20.14	-113.59
APOLLO 15 REV 6316	73 1 9 61830	LAT/LONS =	28.36	98.01	-23.04	-116.76
APOLLO 15 REV 6328	73 110 61130	LAT/LONS =	28.18	96.83	-25.83	-117.65
APOLLO 15 REV 6340	73 111 6 4 0	LAT/LONS =	26.91	97.16	-27.82	-116.33
APOLLO 15 REV 6352	73 112 55629	LAT/LONS =	24.57	96.97	-28.43	-114.97
APOLLO 15 REV 6364	73 113 54730	LAT/LONS =	19.97	100.56	-27.58	-111.85
APOLLO 15 REV 6376	73 114 54028	LAT/LONS =	16.41	98.08	-25.90	-112.46
APOLLO 15 REV 6388	73 115 53029	LAT/LONS =	5.86	108.38	-20.36	-103.87
APOLLO 15 REV 6400	73 116 51949	LAT/LONS =	-1.09	109.55	-17.03	-106.81
APOLLO 15 REV 6424	73 118 5 429	LAT/LONS =	-11.49	106.44	-3.74	-102.85
APOLLO 15 REV 6436	73 119 45628	LAT/LONS =	-16.59	105.95	4.01	-100.33
APOLLO 15 REV 6448	73 120 52816	LAT/LONS =	26.06	-2.69	10.51	-99.67
APOLLO 15 REV 6460	73 121 44231	LAT/LONS =	-23.18	101.36	14.53	-102.79
APOLLO 15 REV 6472	73 122 43829	LAT/LONS =	-23.36	90.16	18.51	-105.14

APPENDIX G

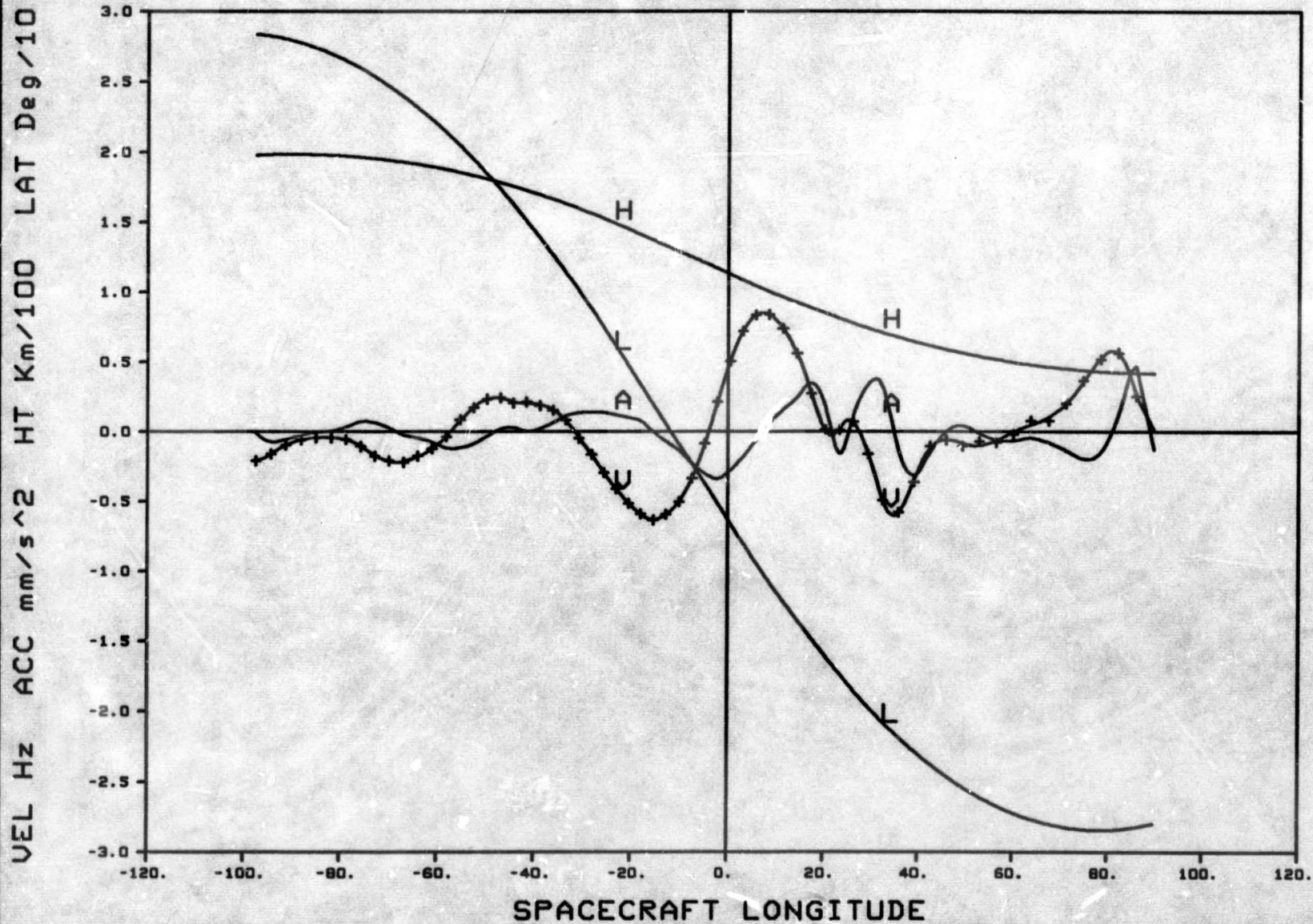
INDIVIDUAL ORBIT DATA PLOTS

Individual orbit data plots are provided in the microfiche supplement (inside front cover pocket).

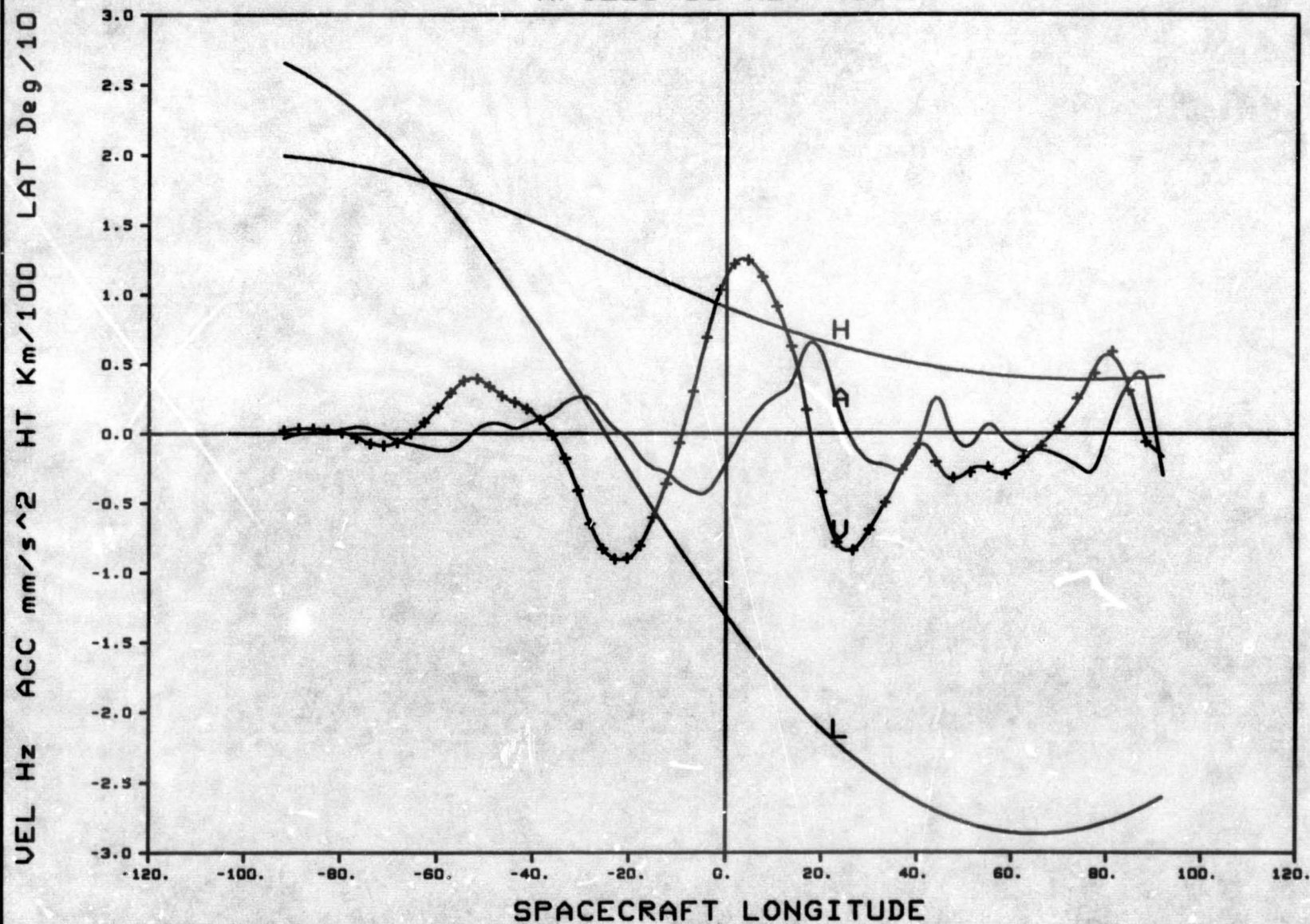
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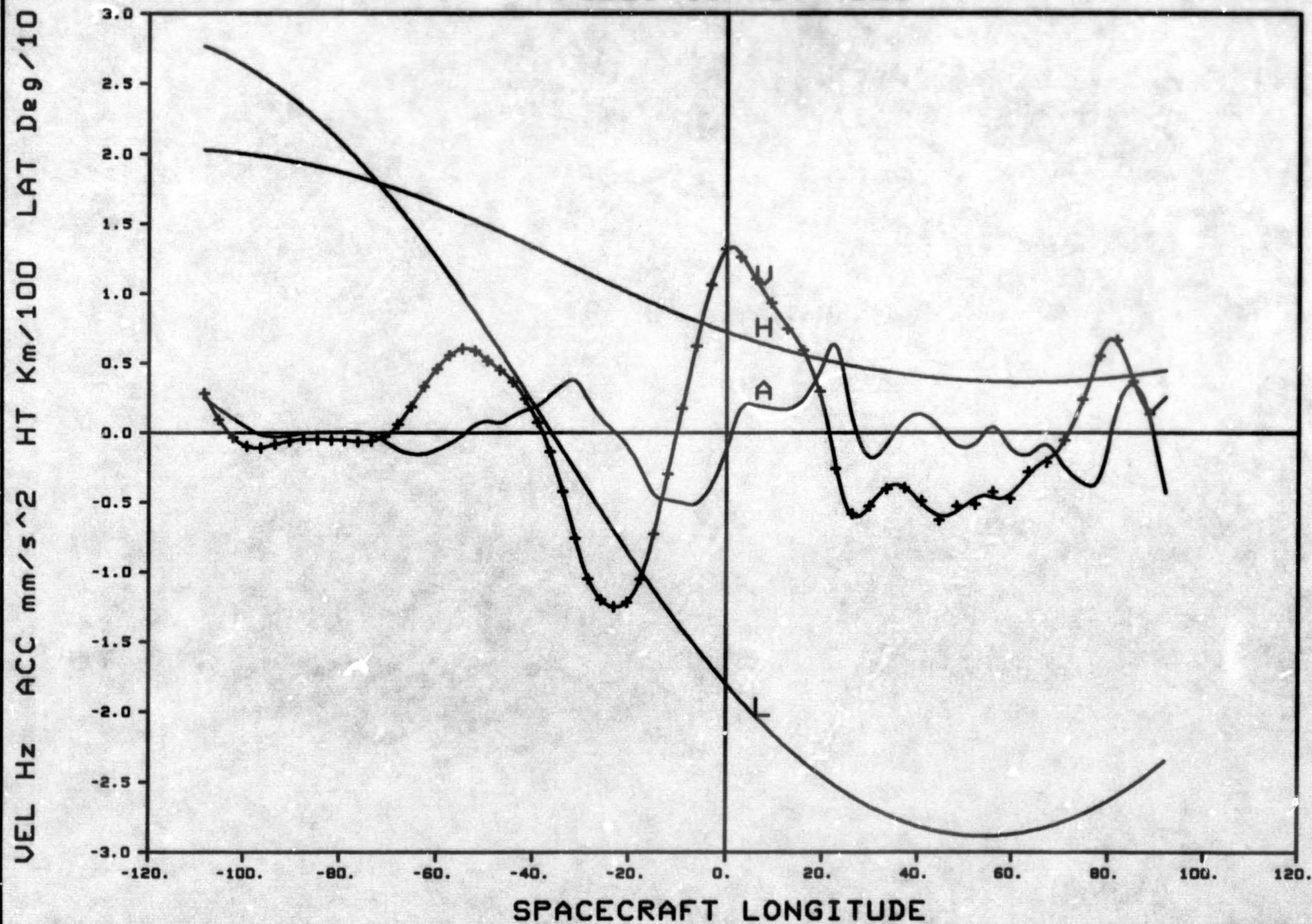
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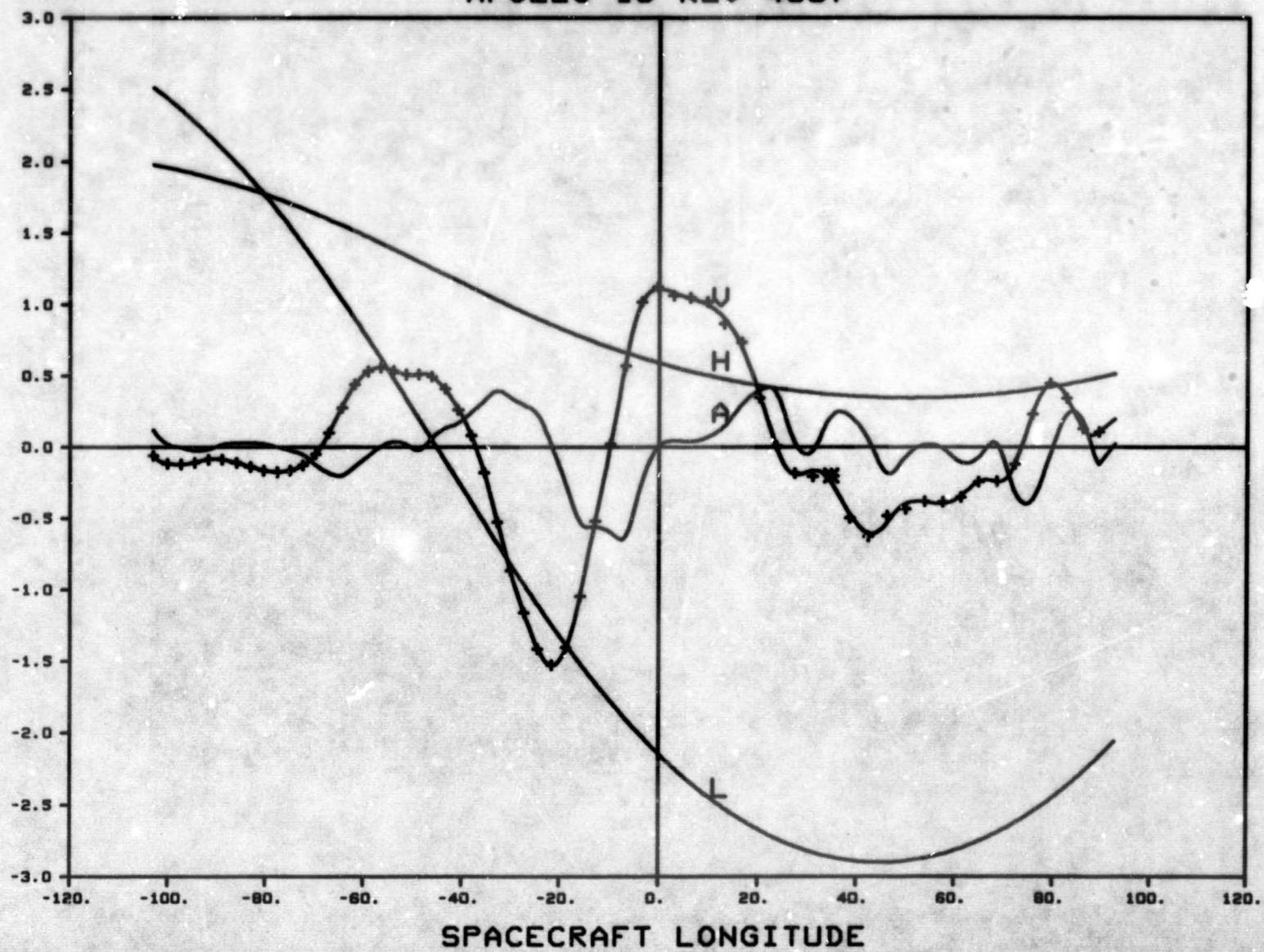


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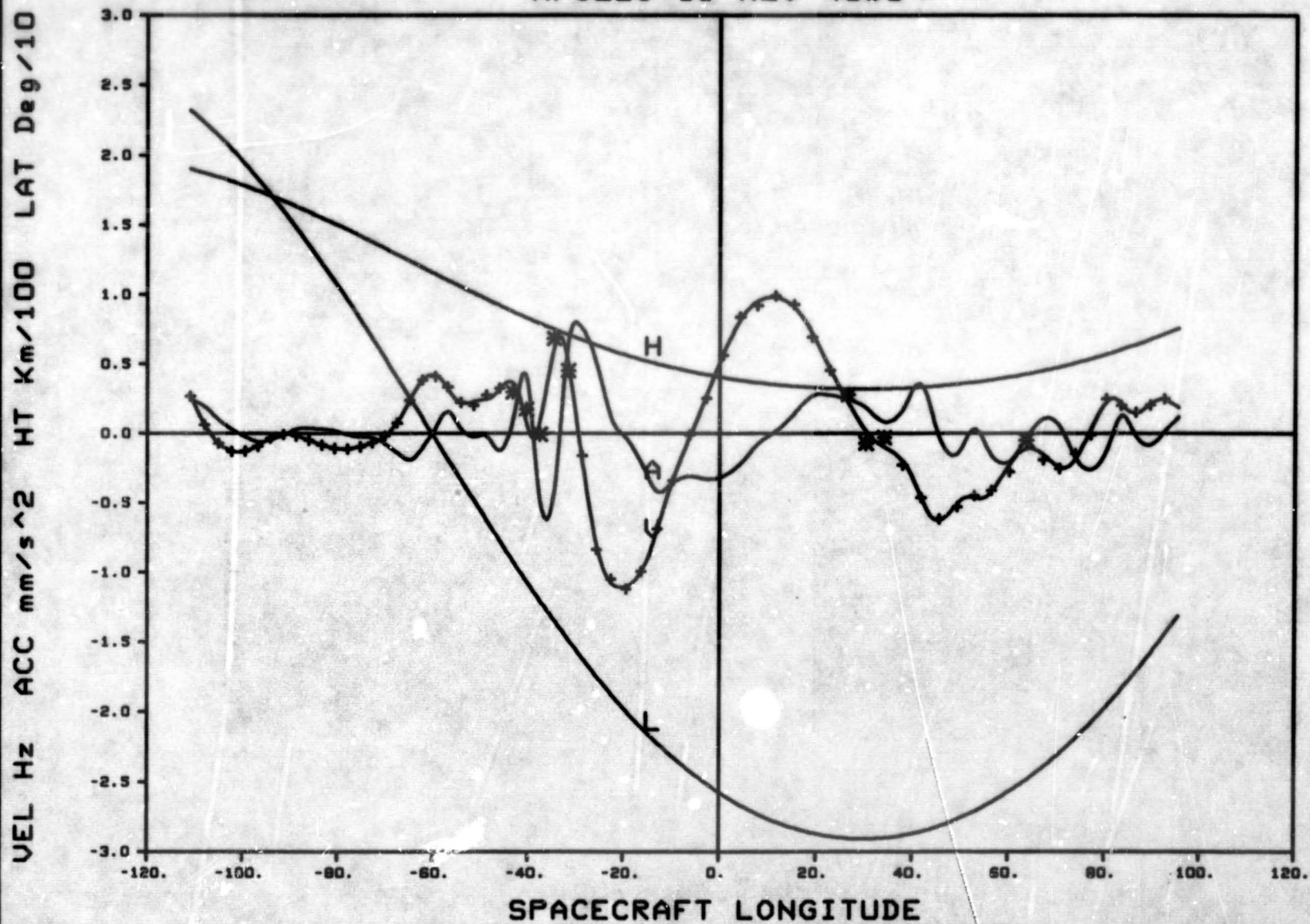


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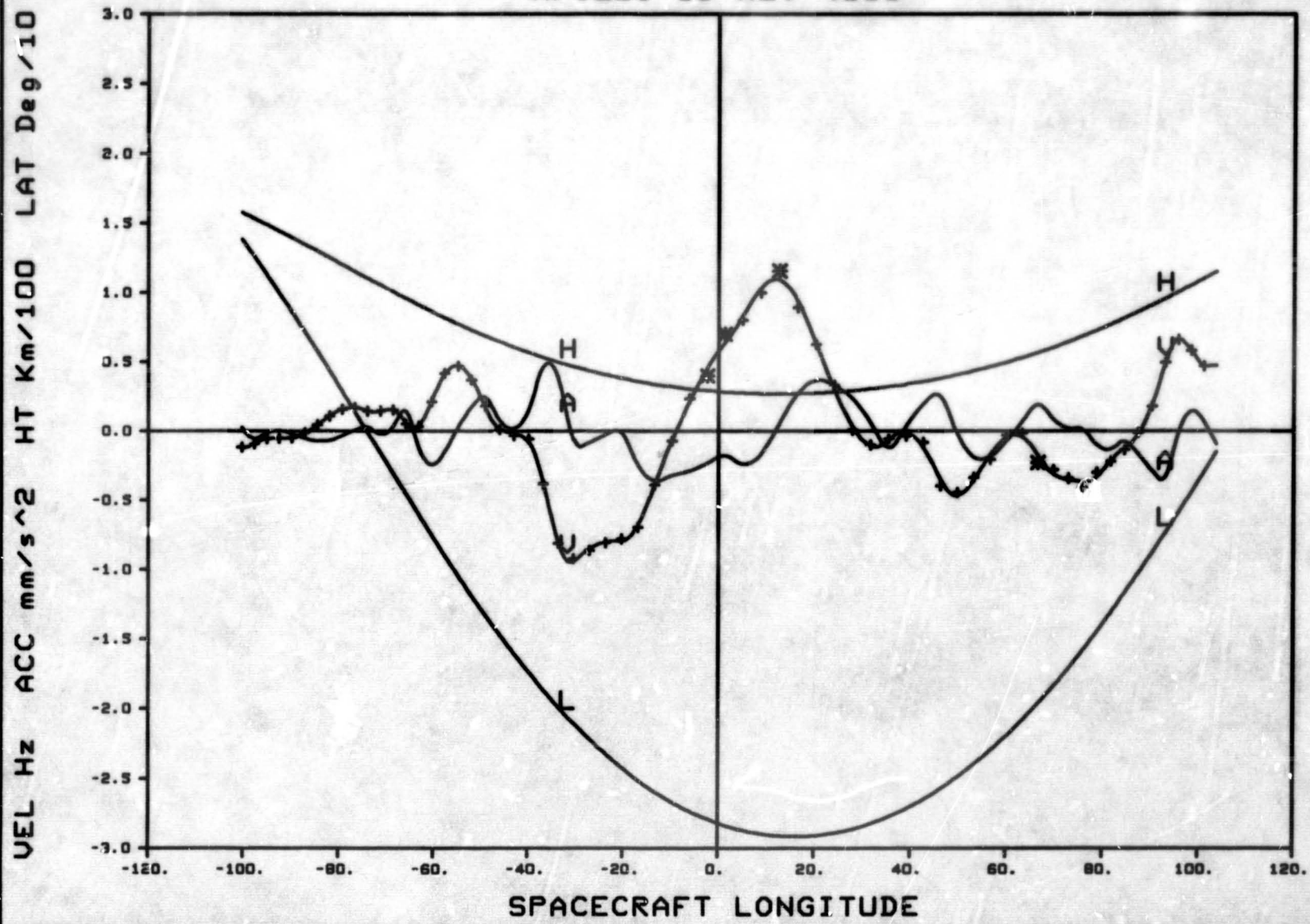
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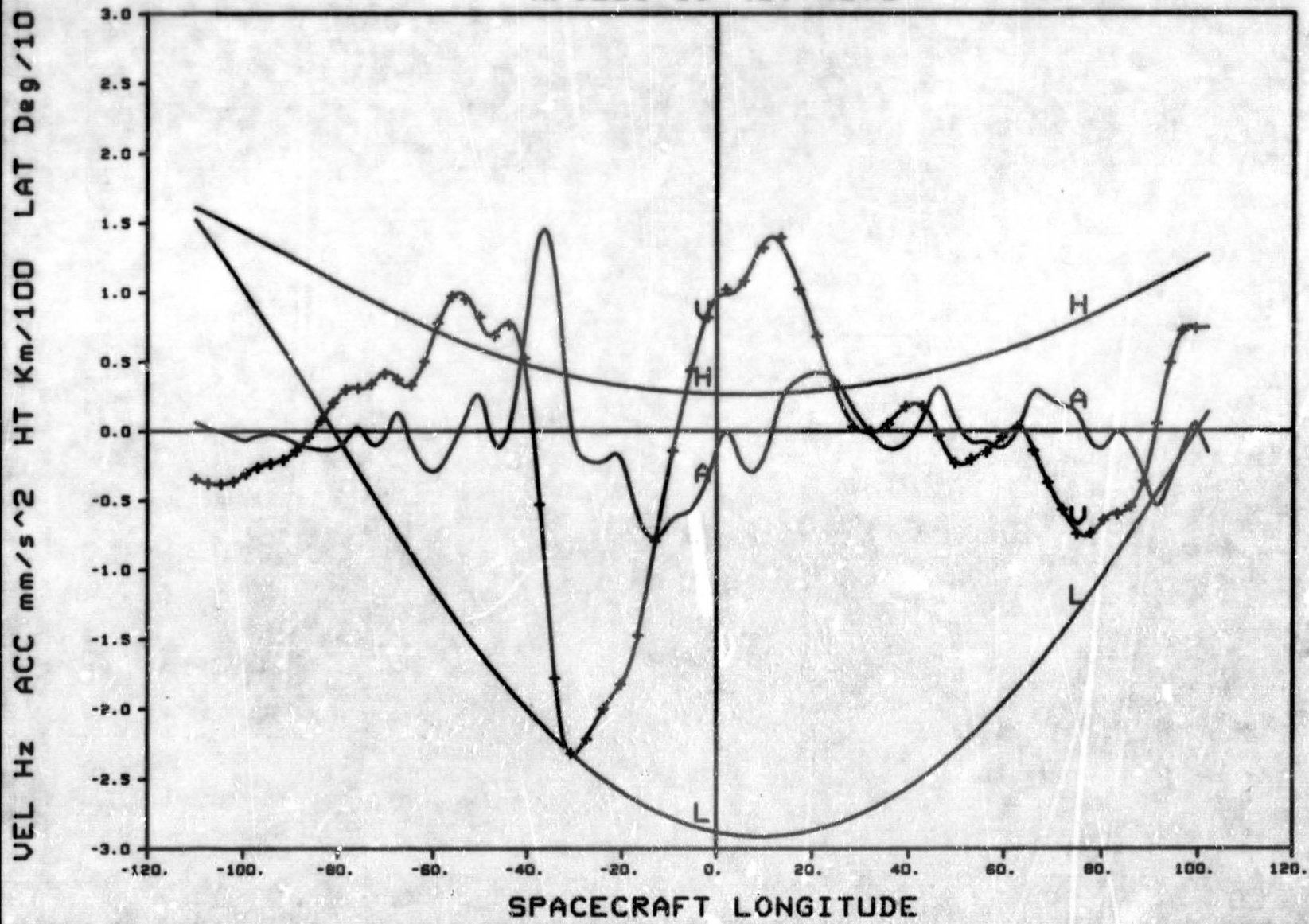
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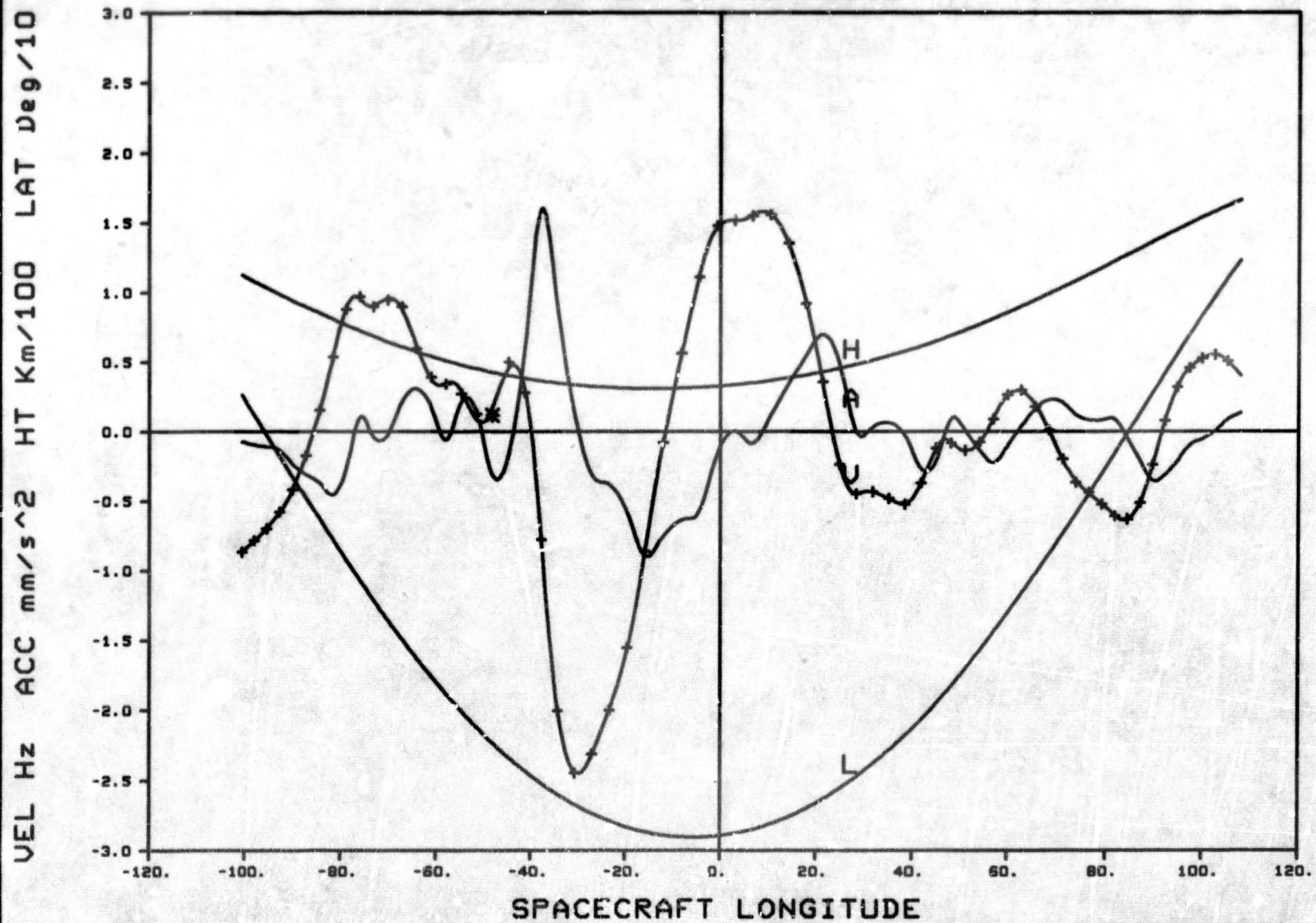
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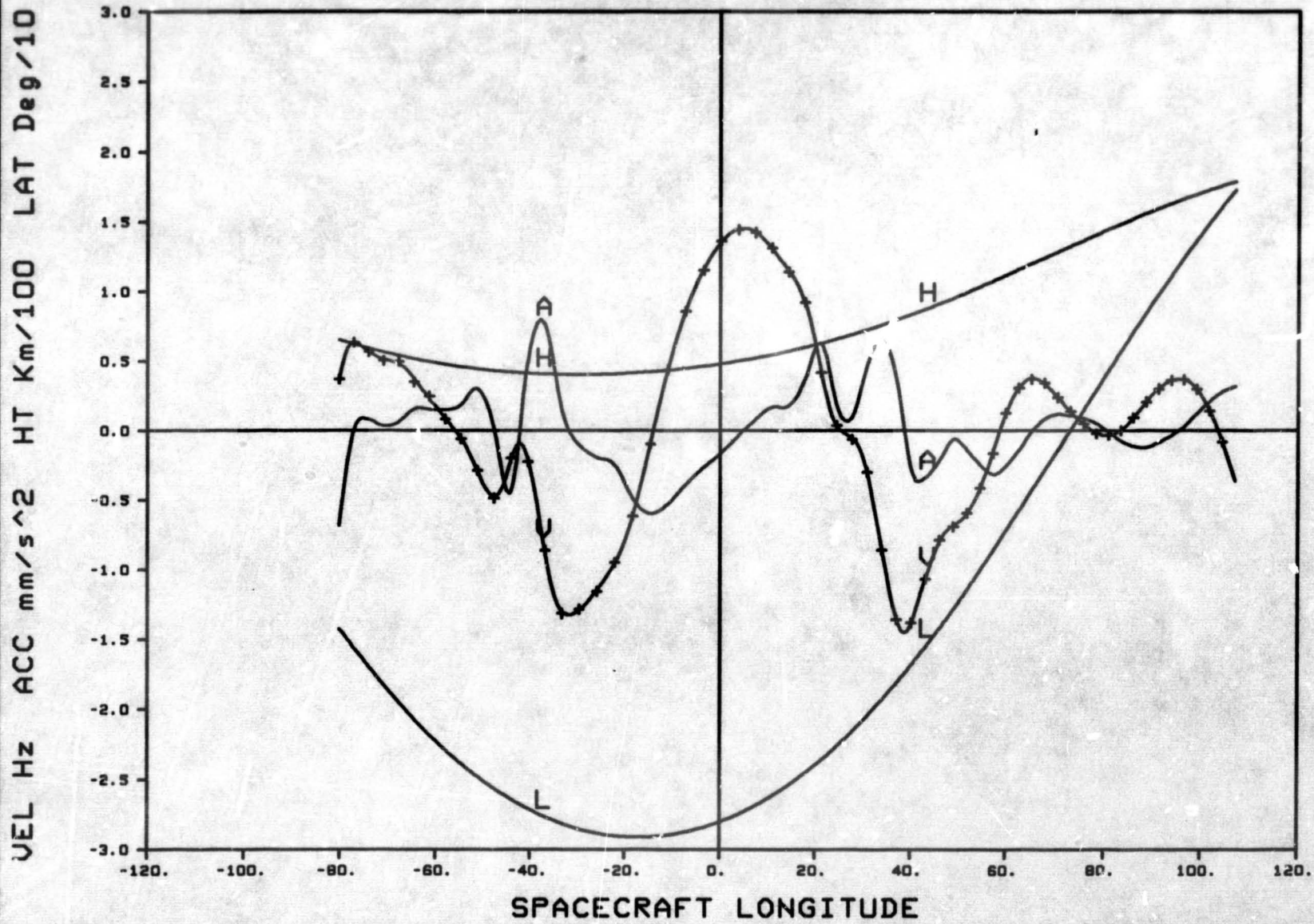
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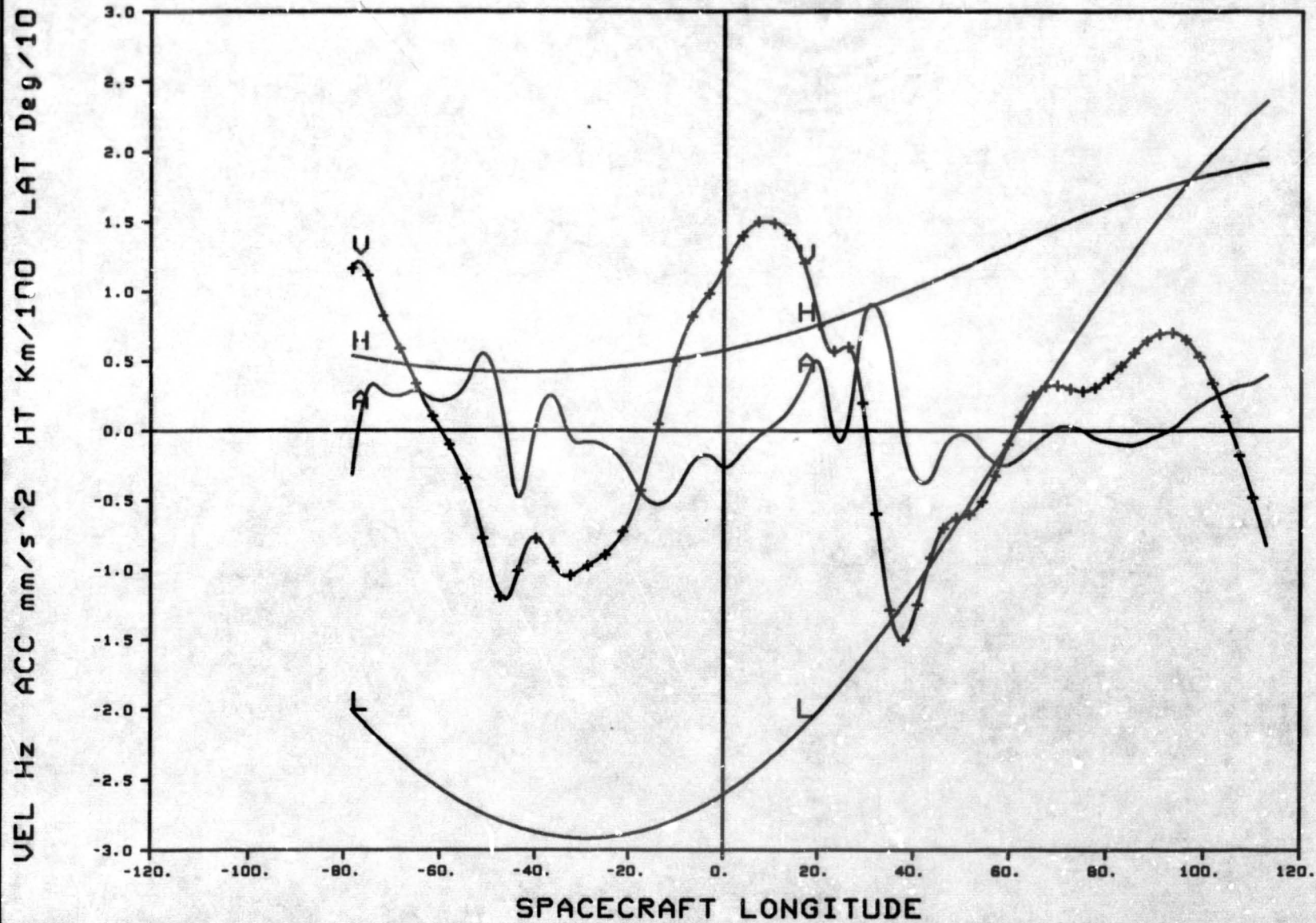
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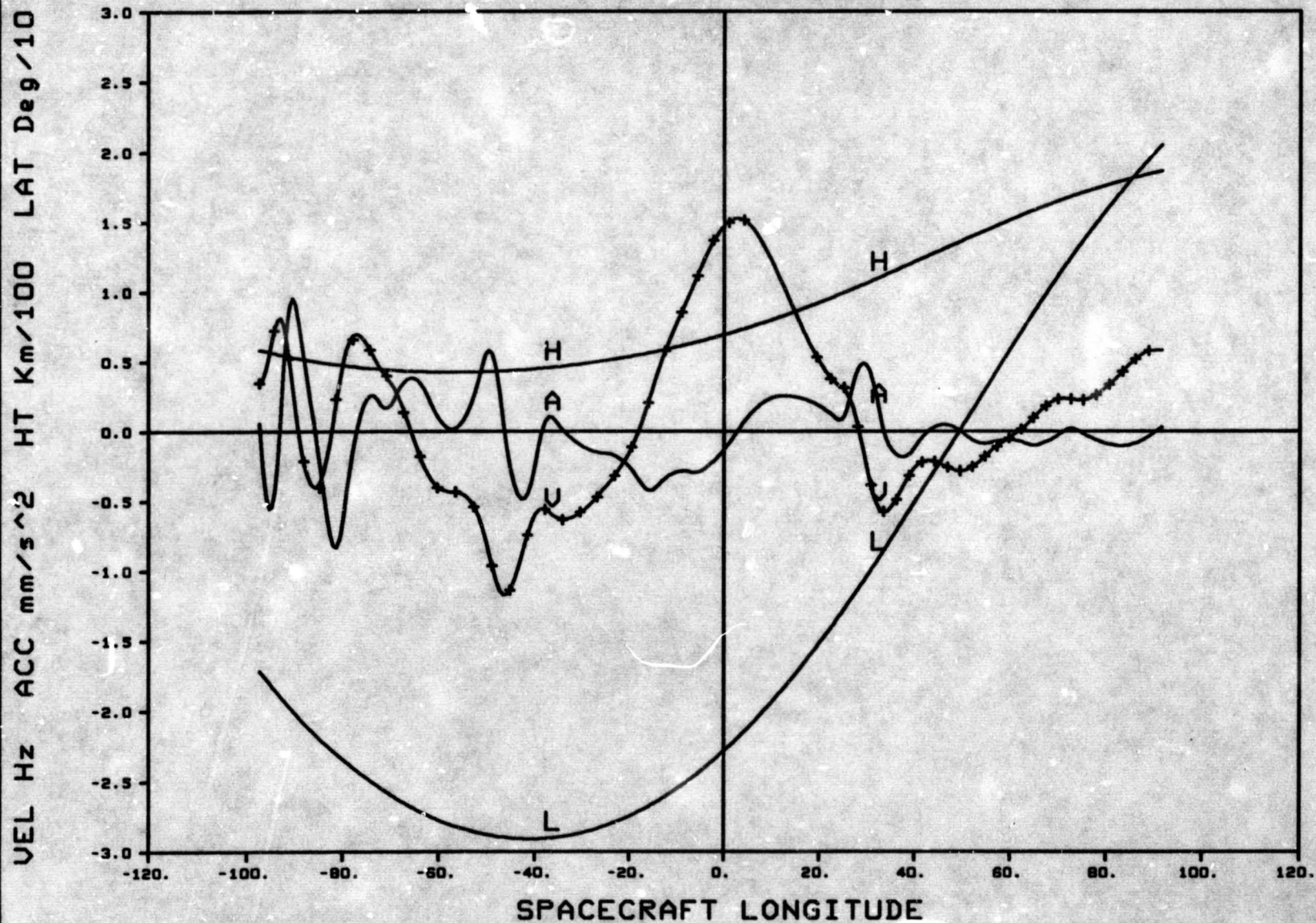
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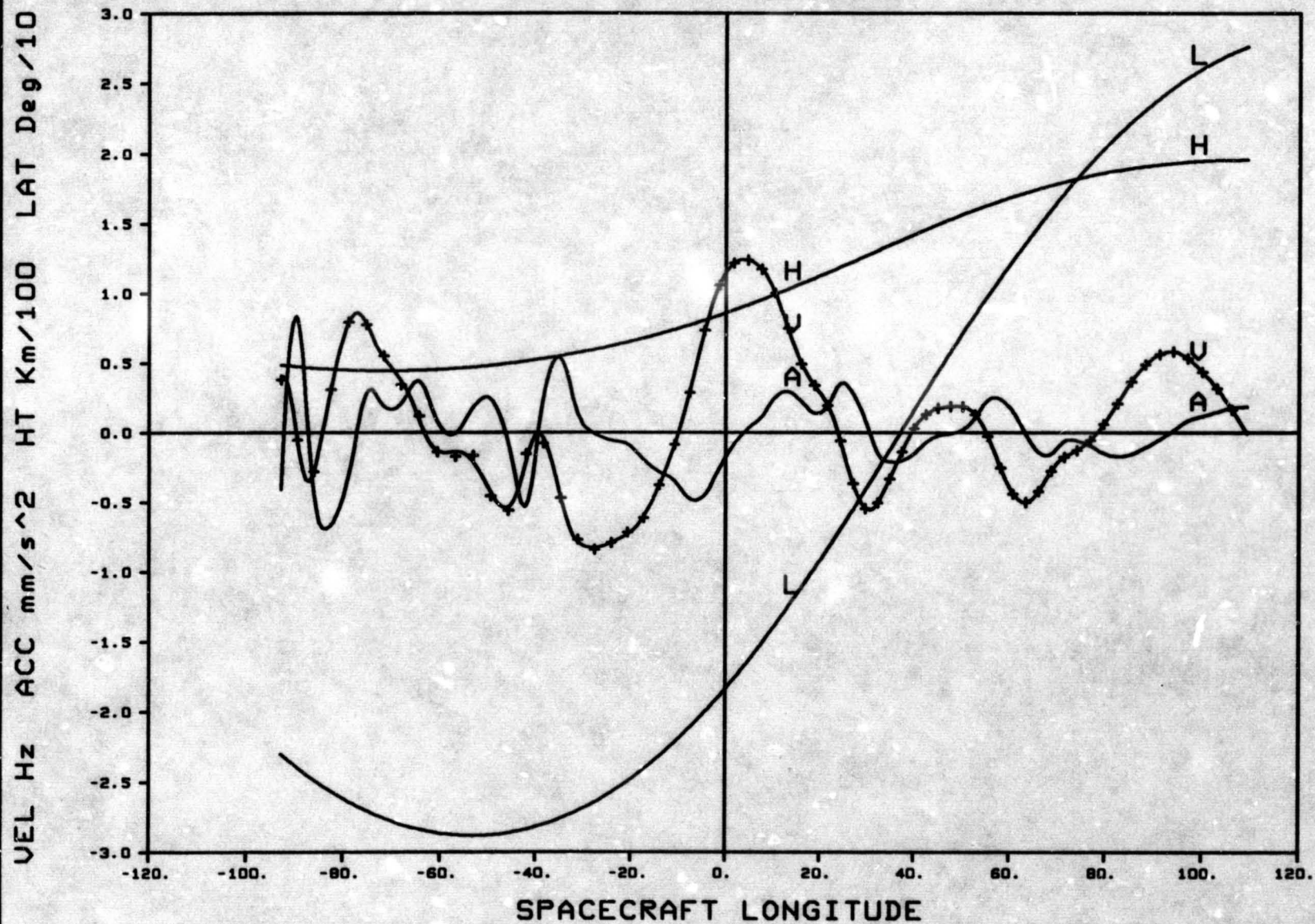
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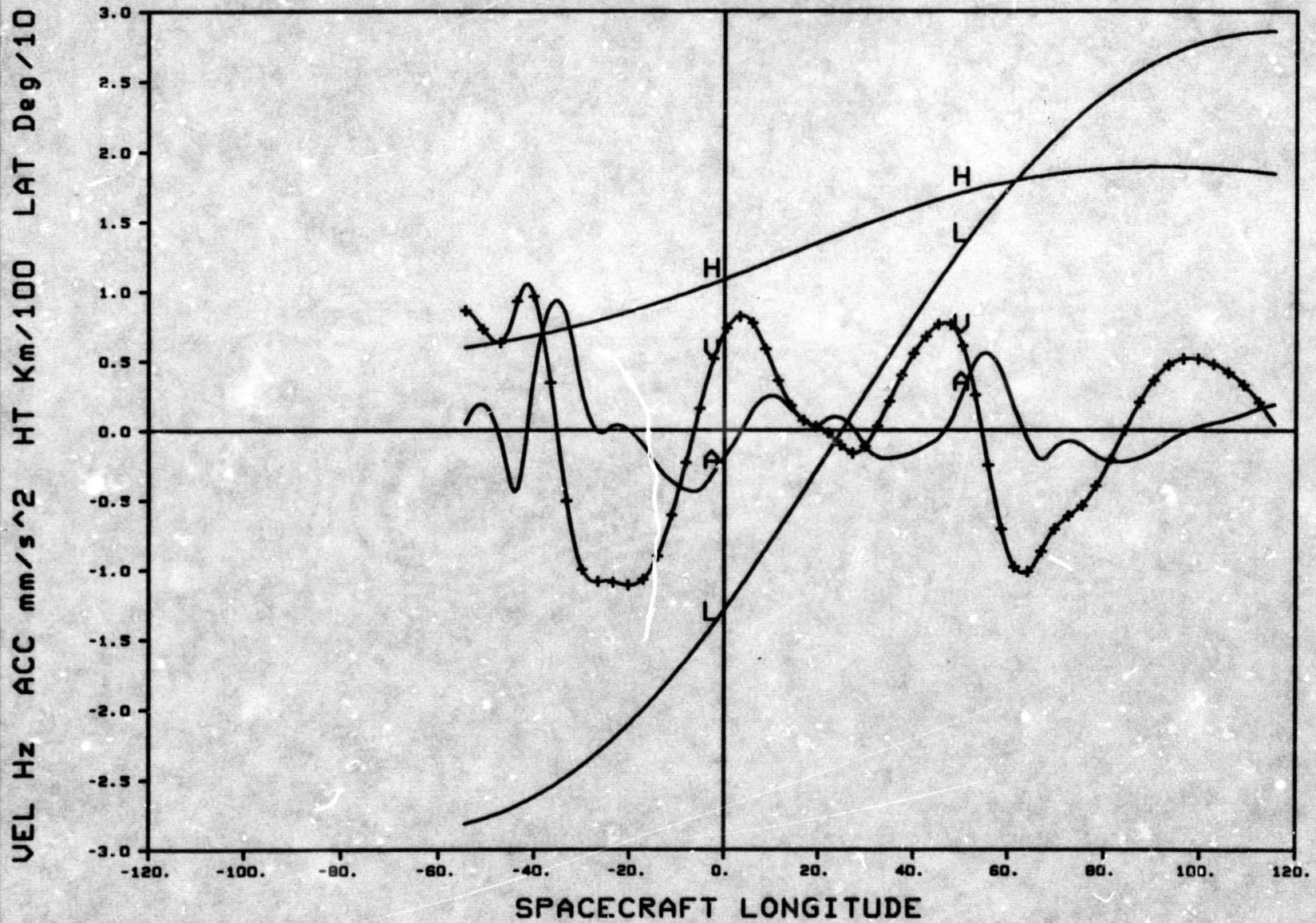
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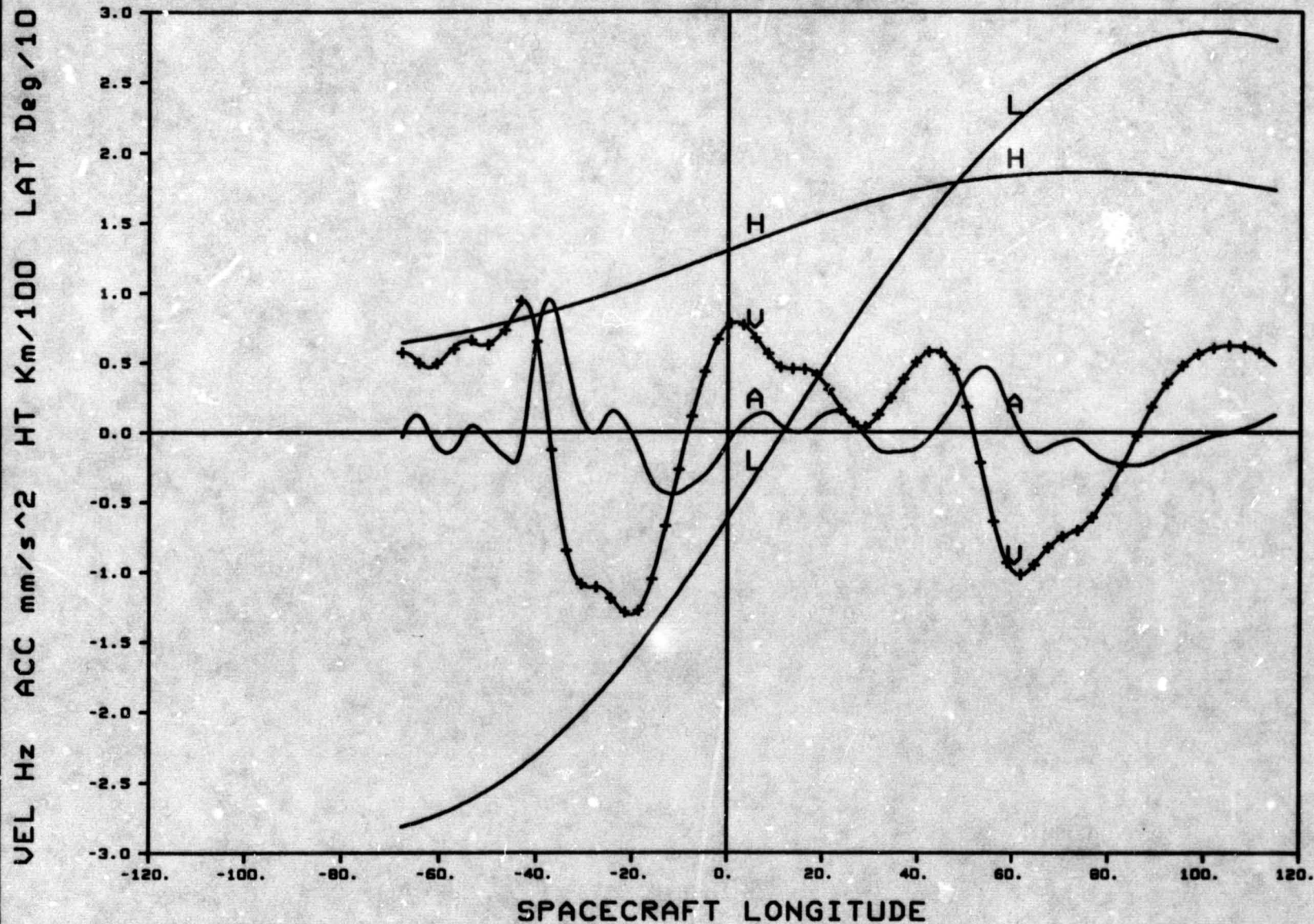
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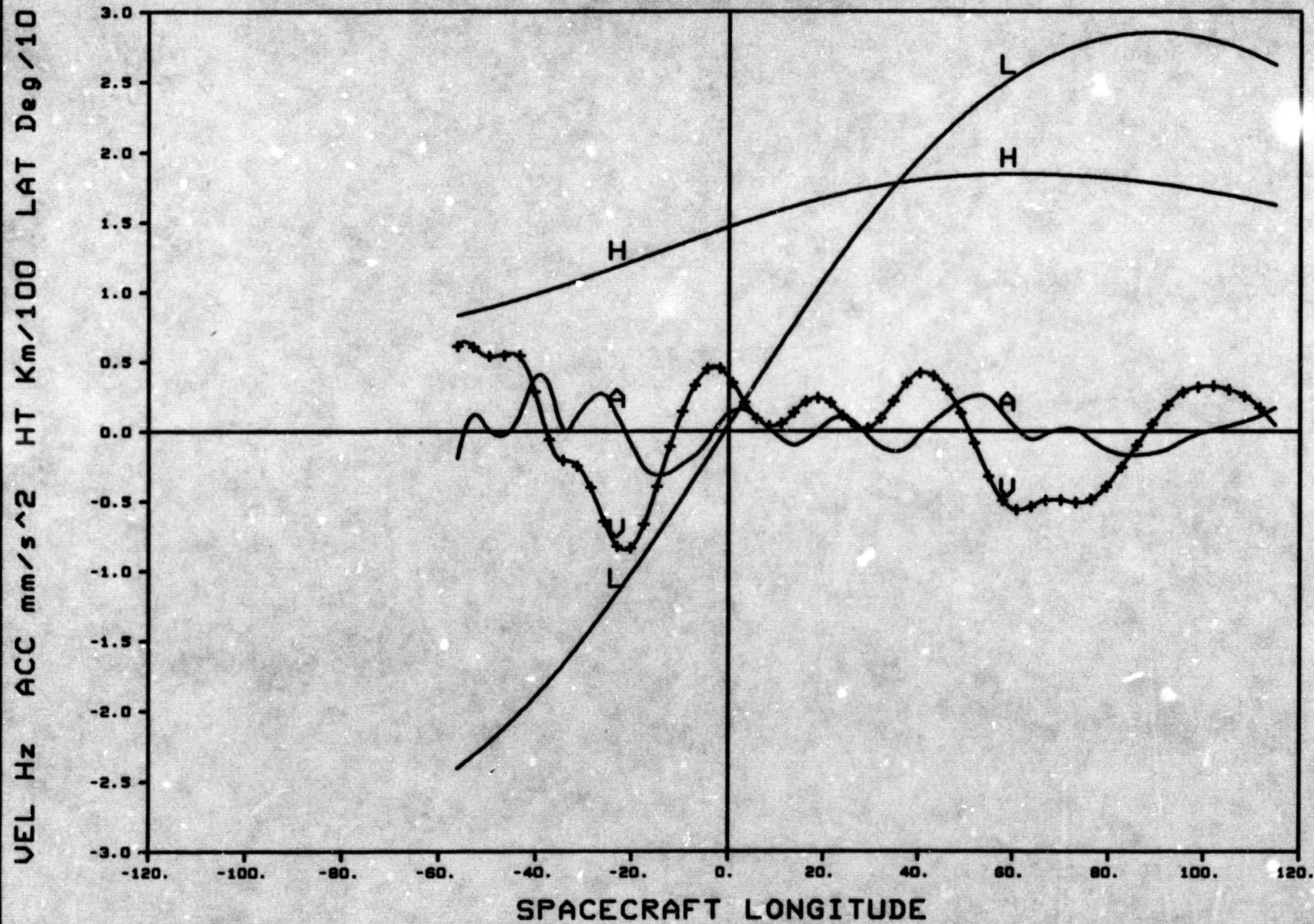
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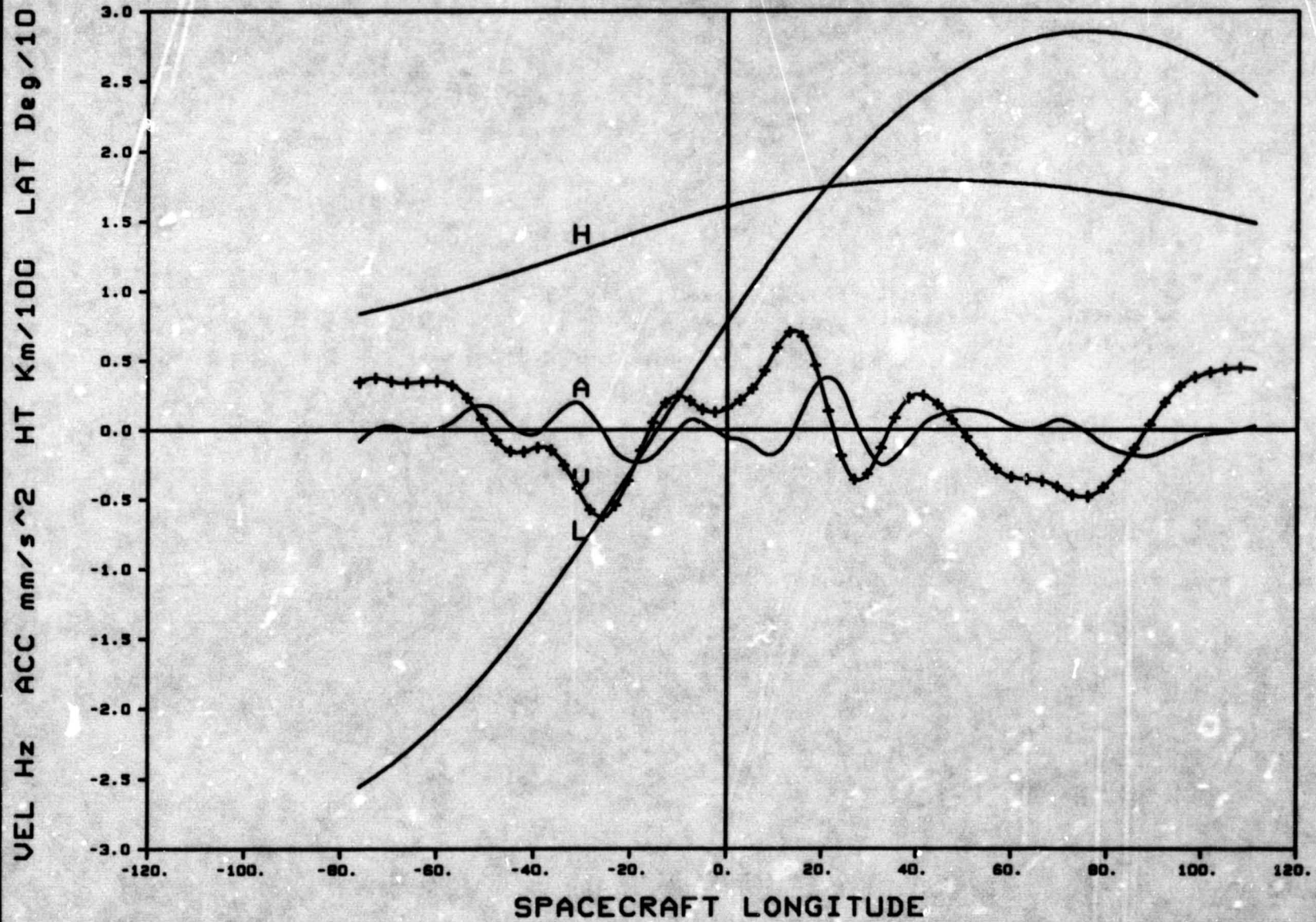
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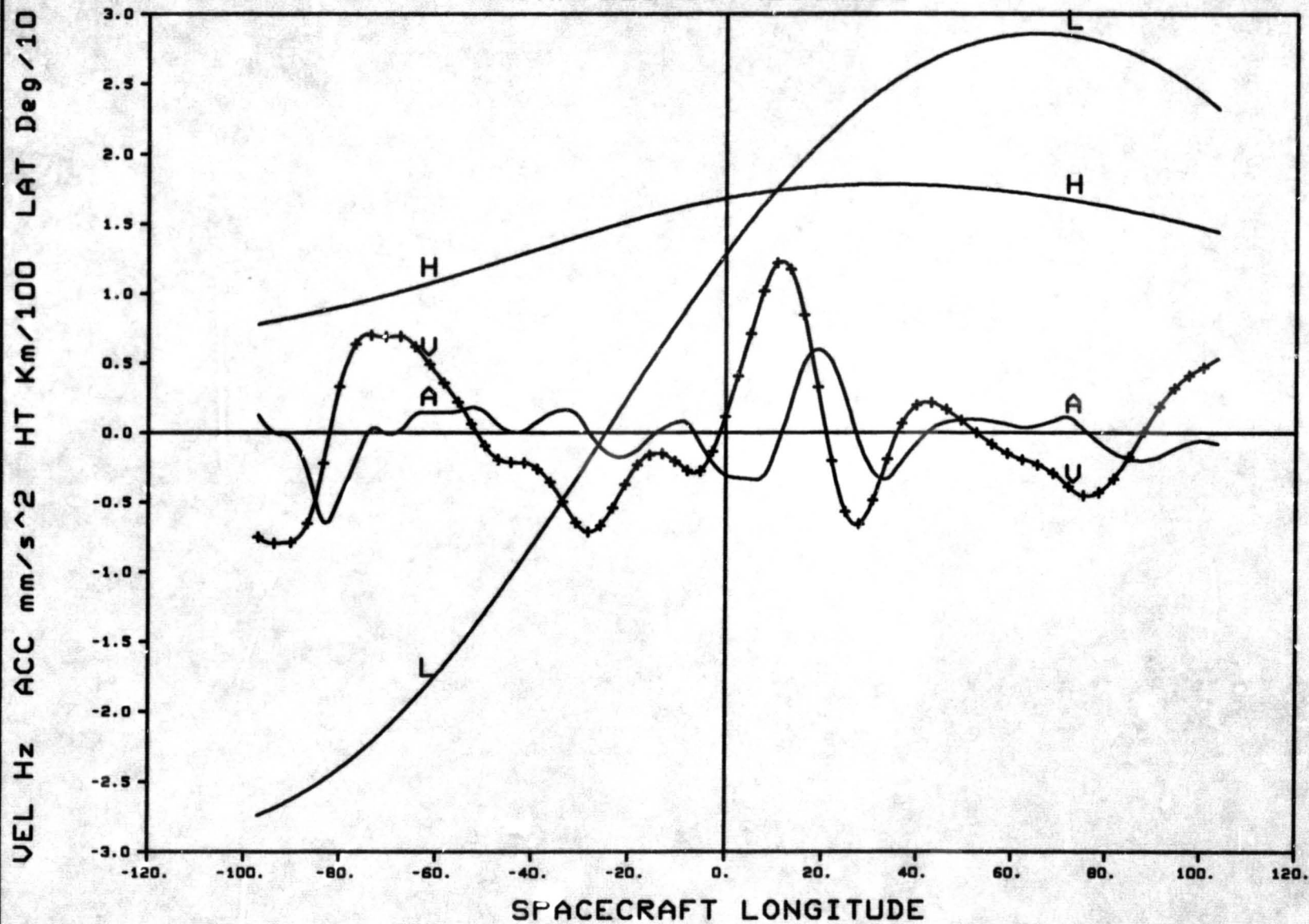
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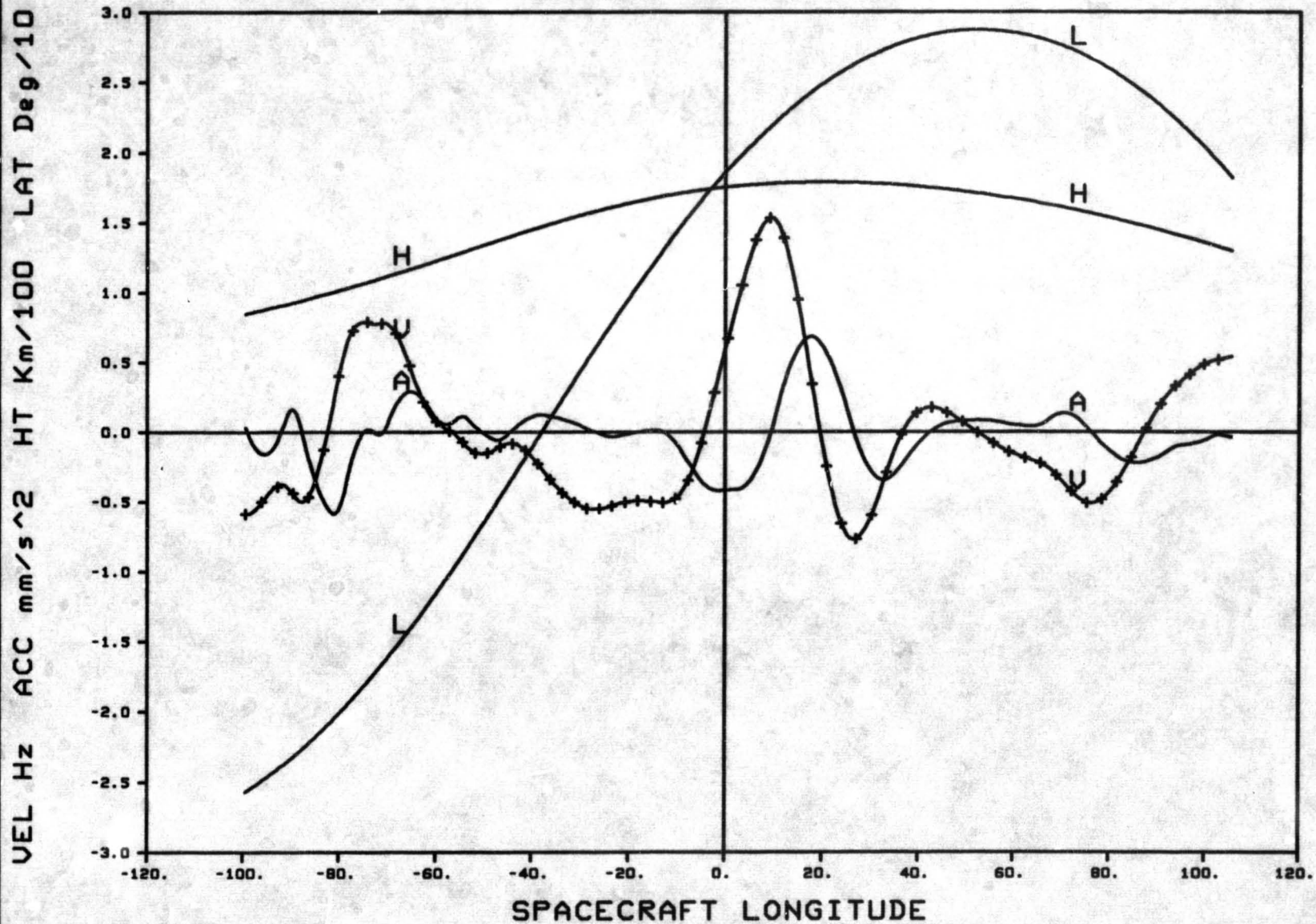
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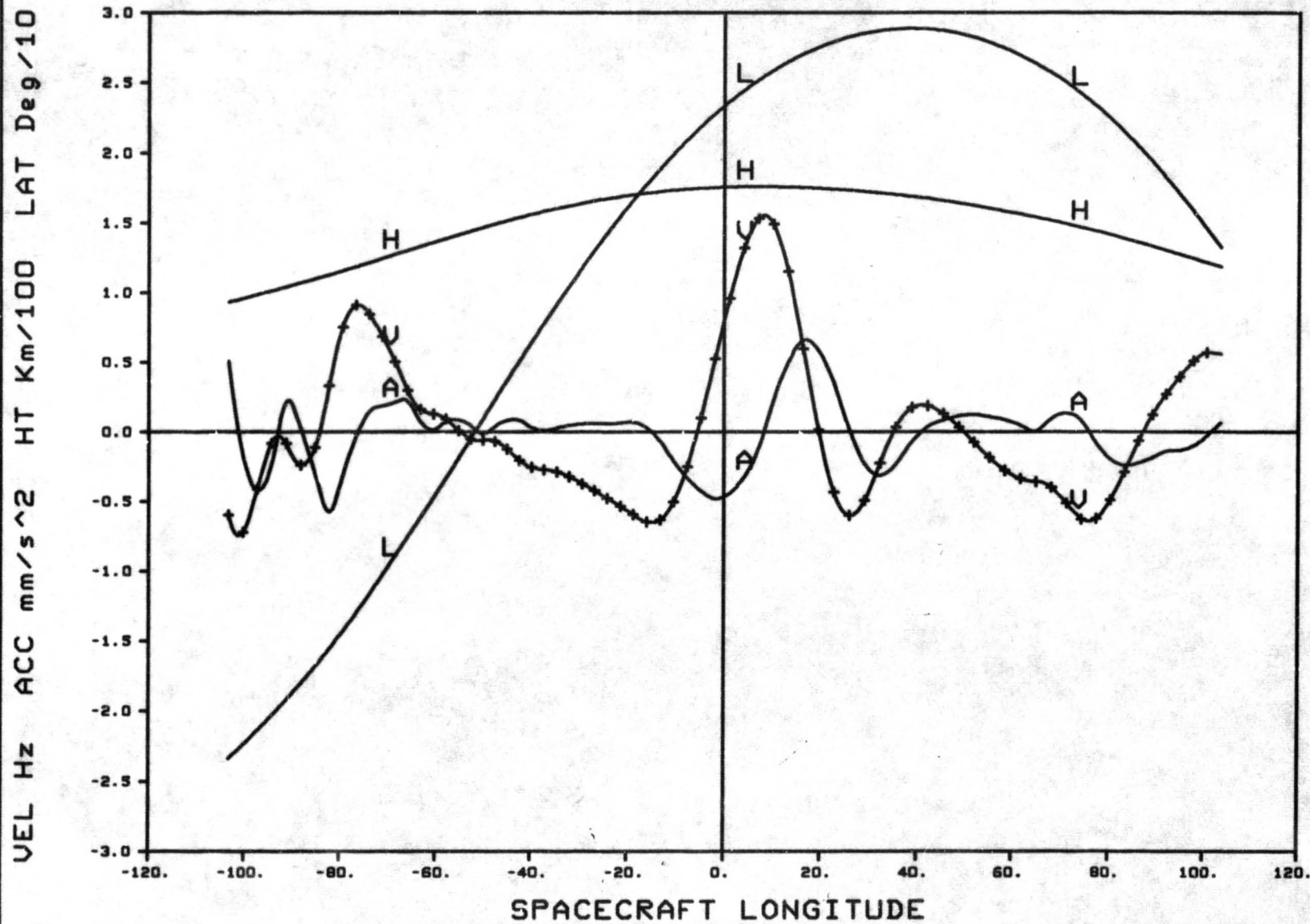
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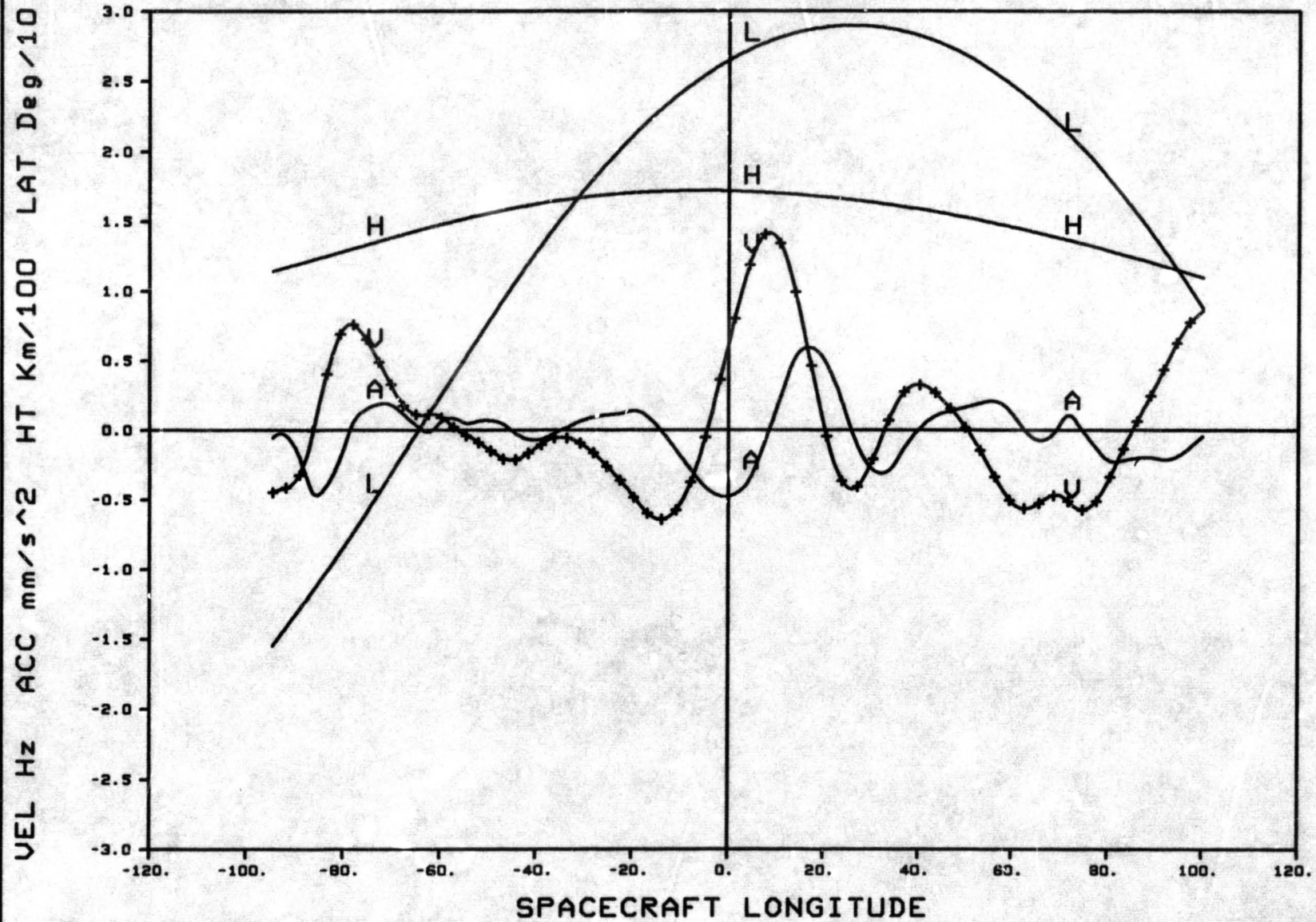
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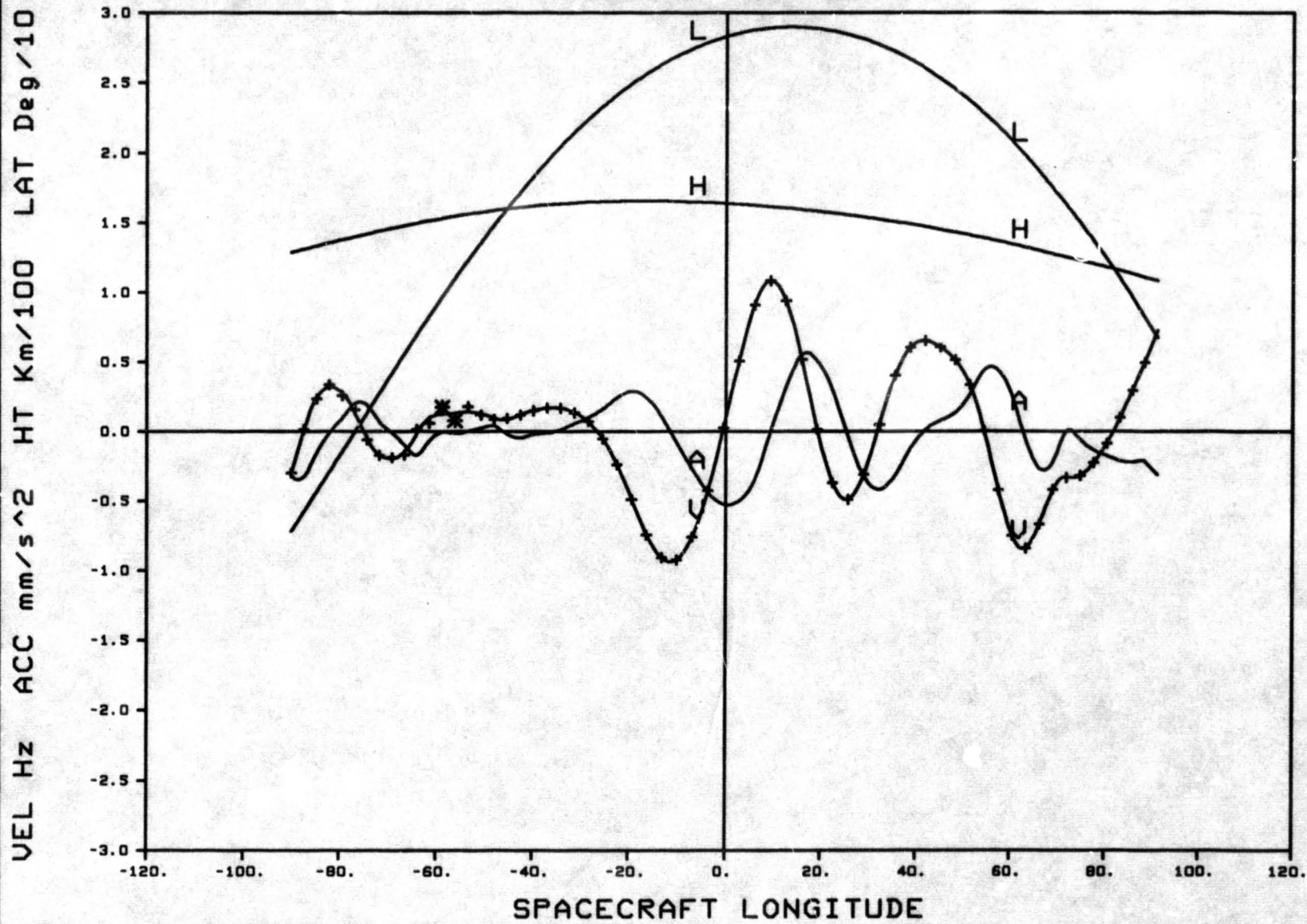
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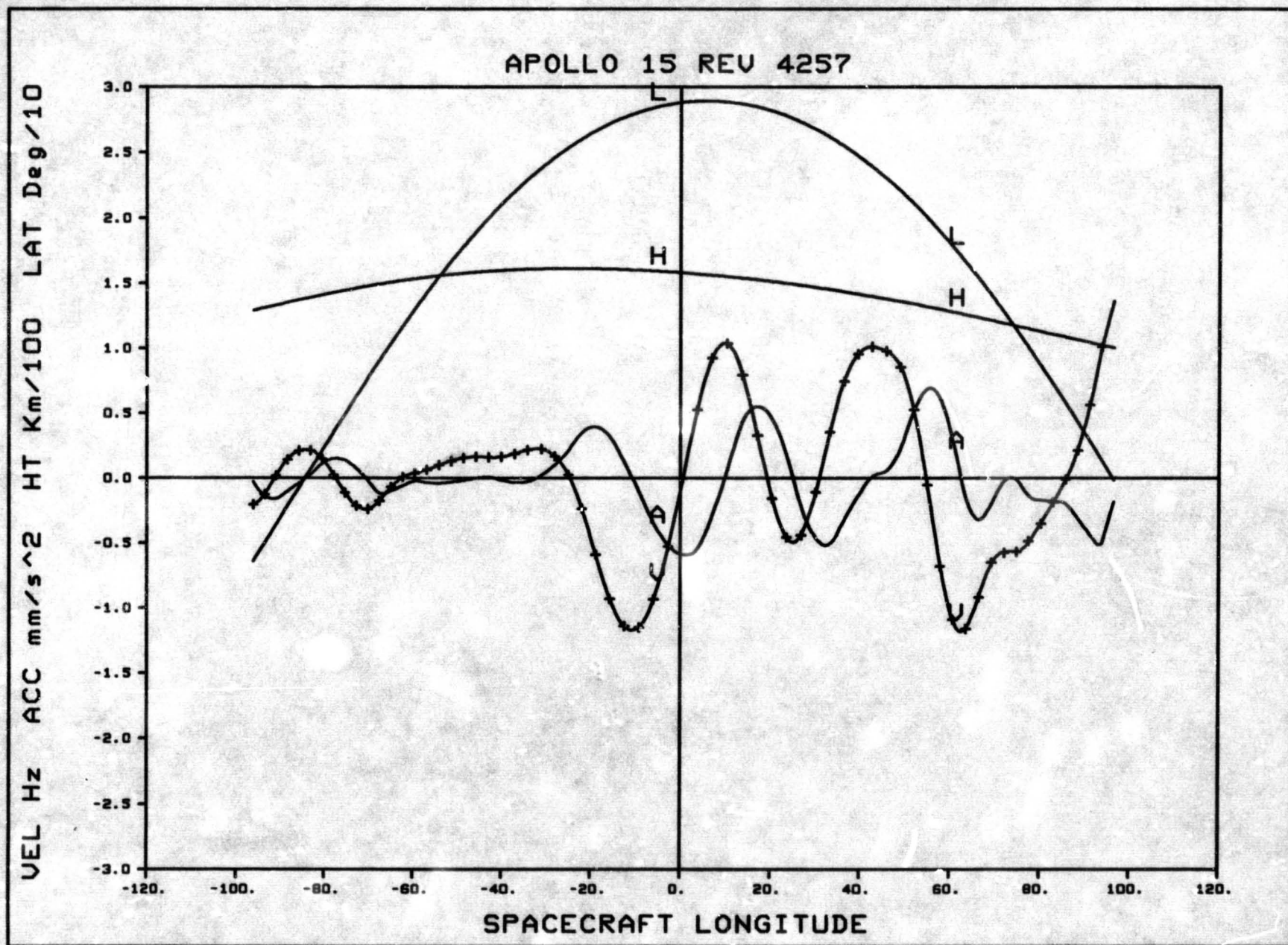


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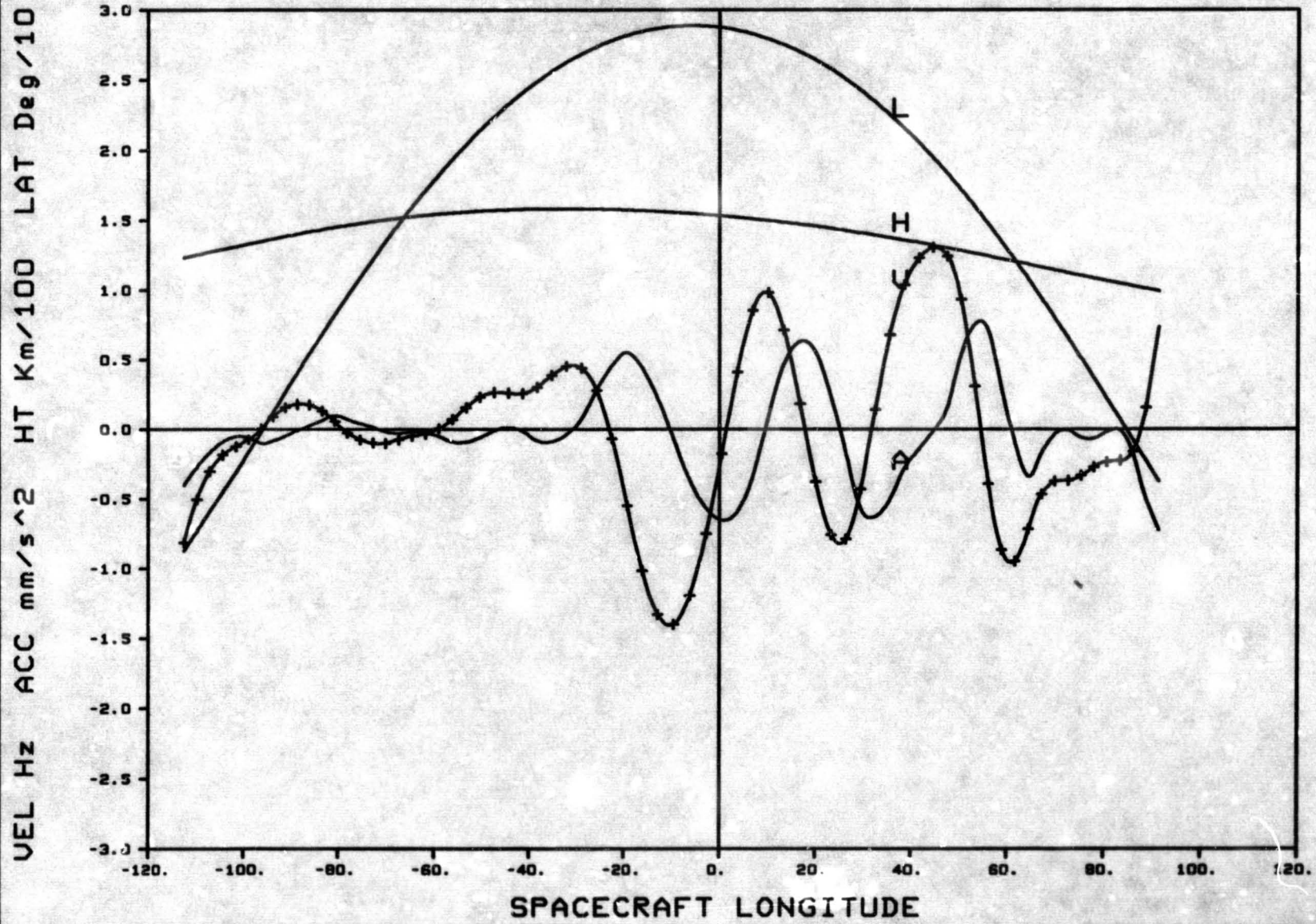


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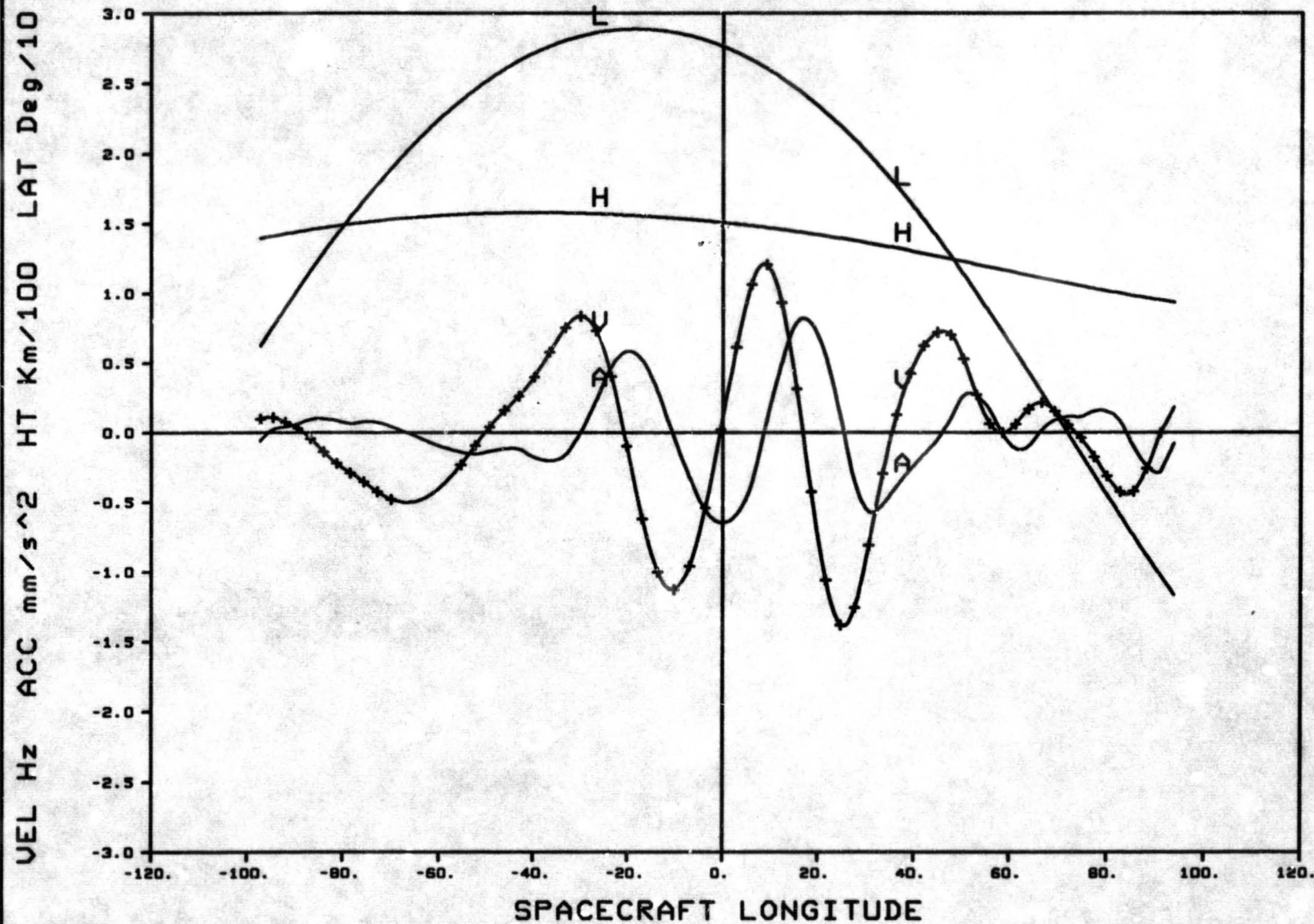




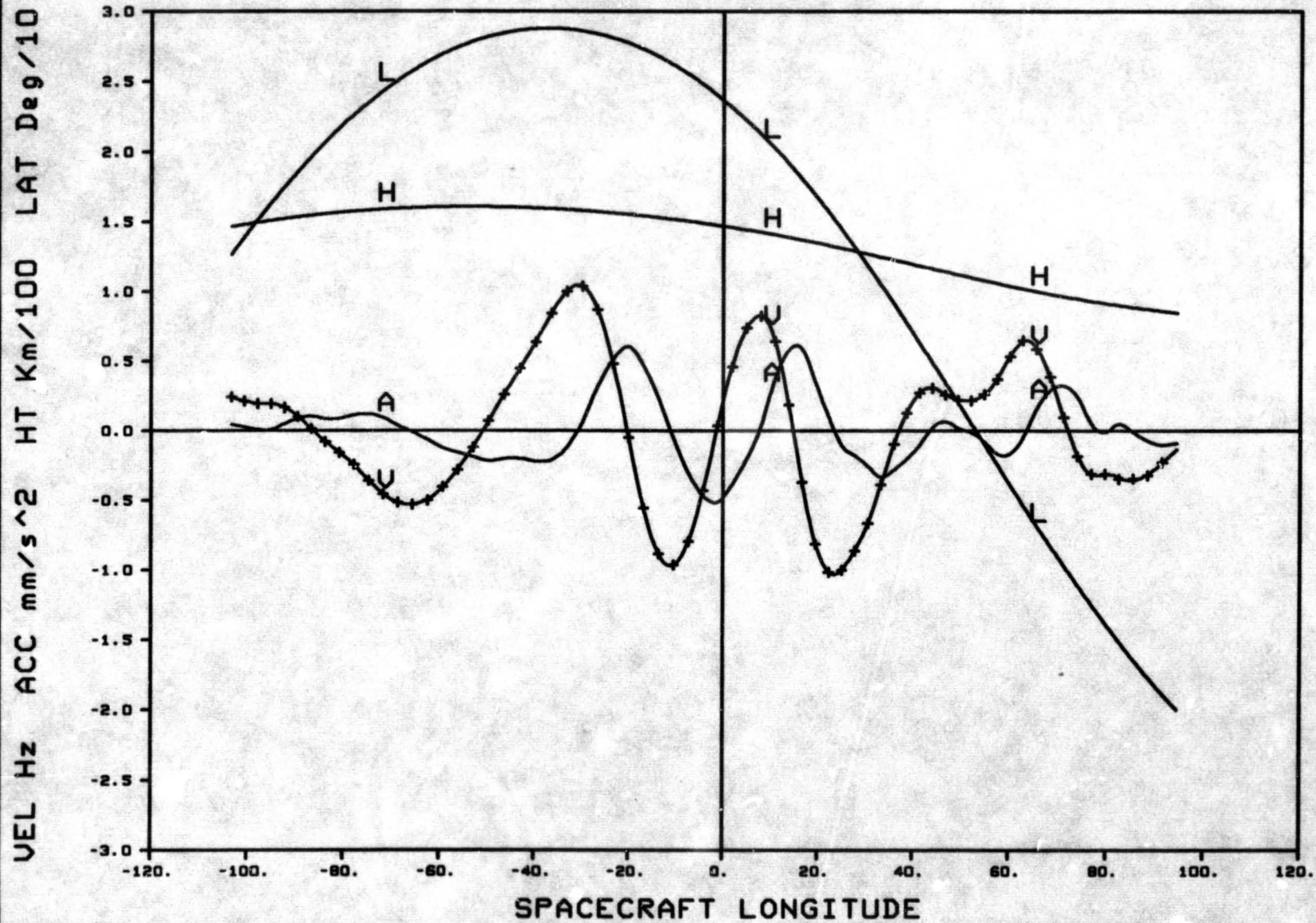
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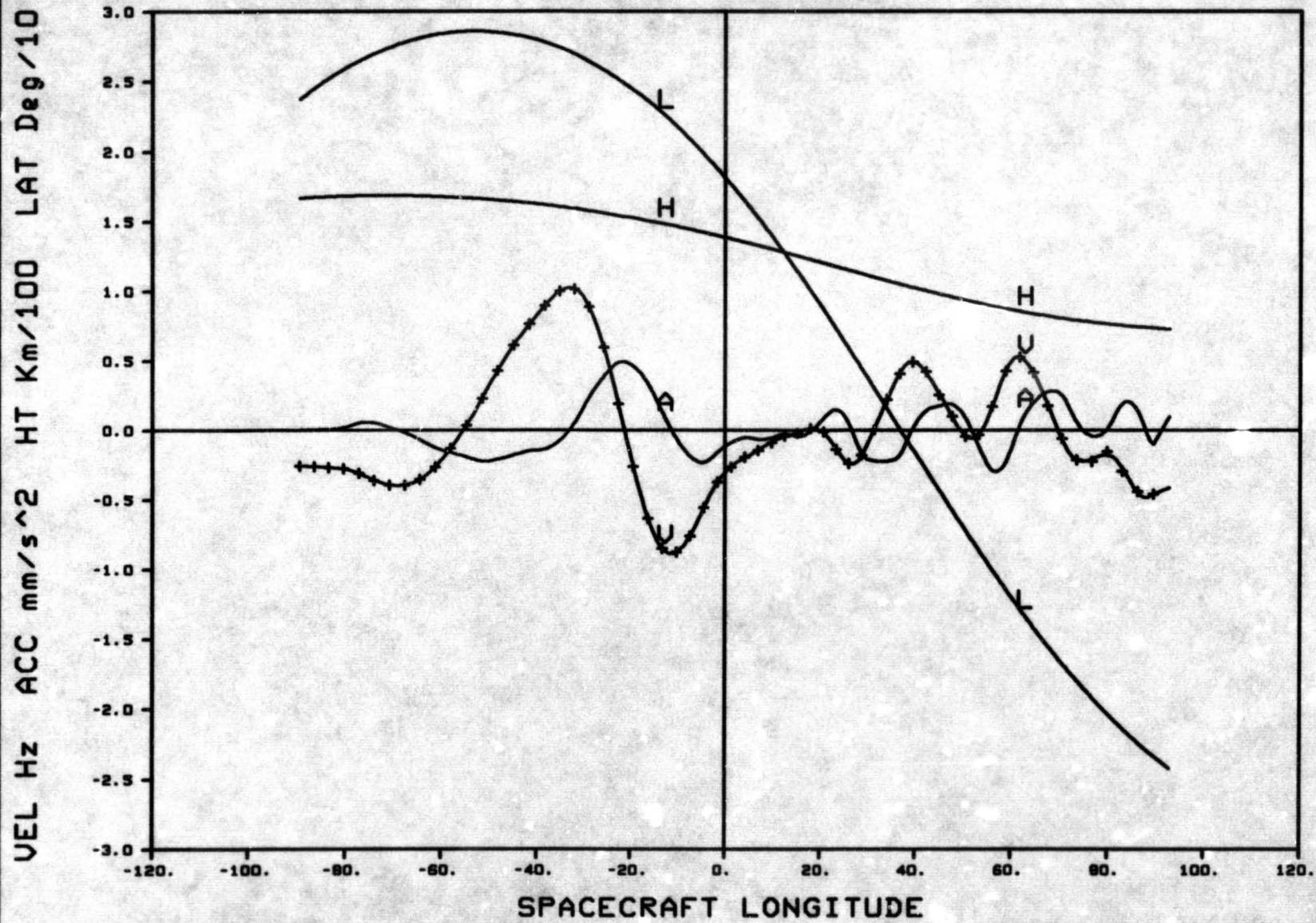
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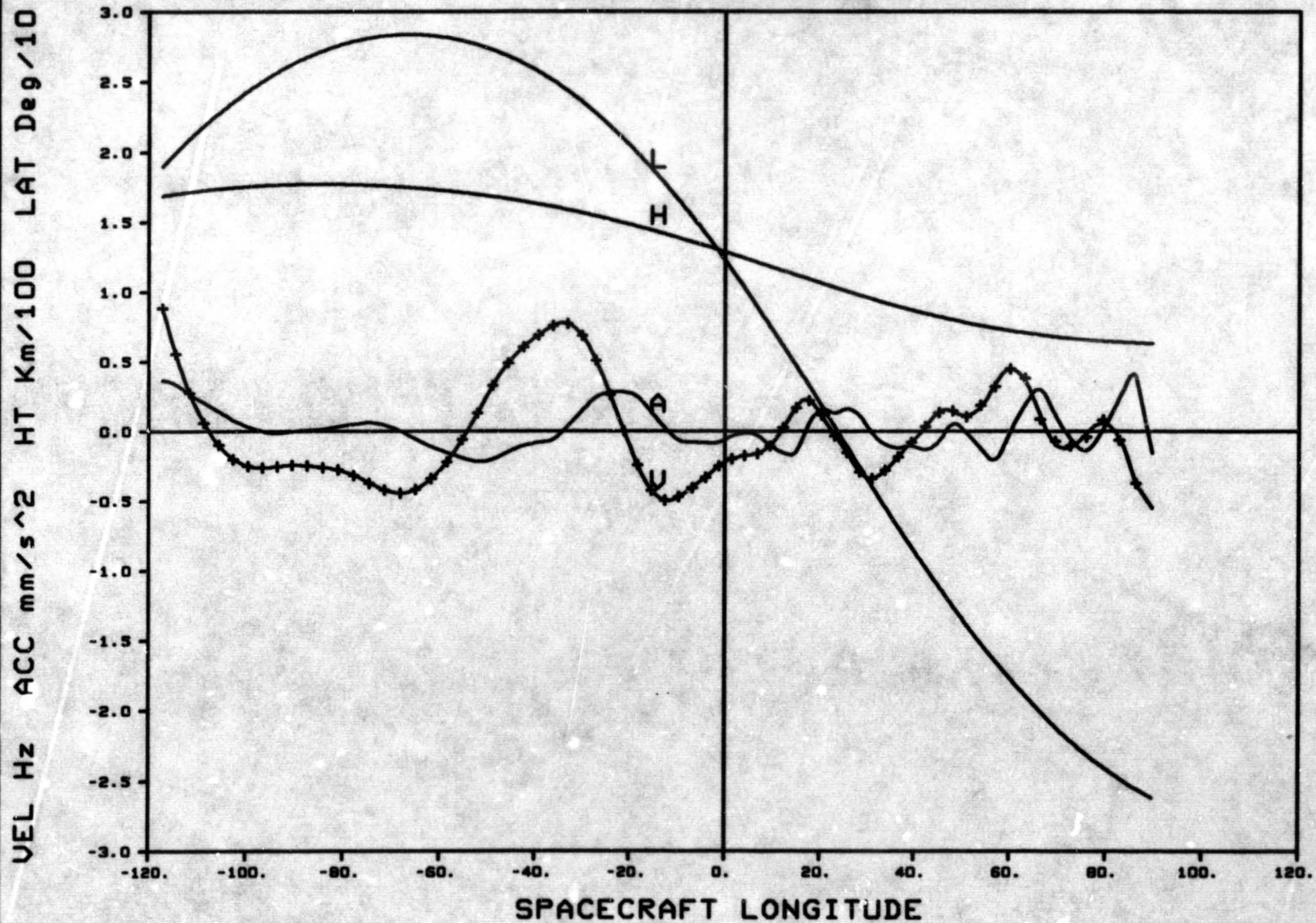
APOLLO 15 REV 4301



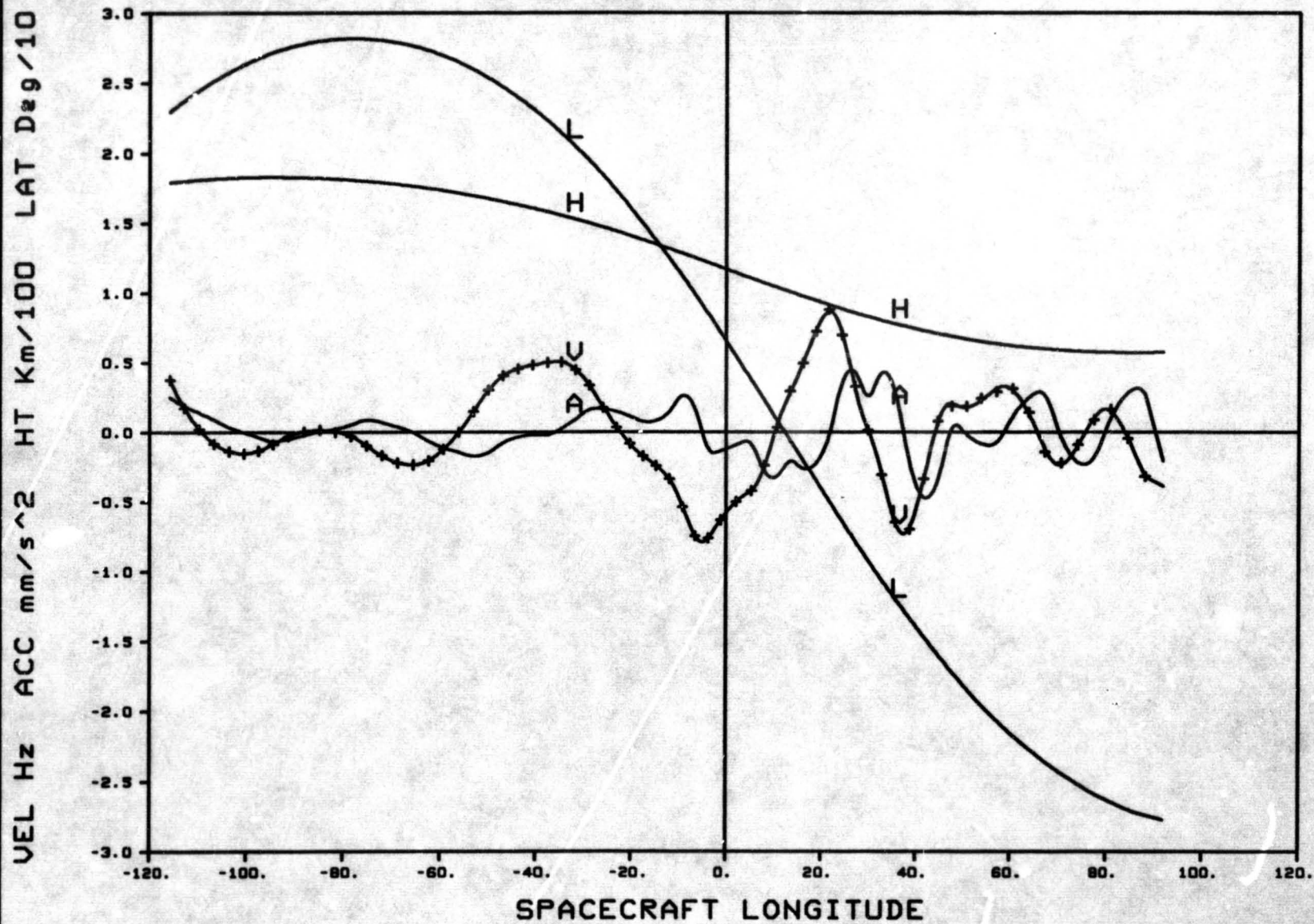
APOLLO 15 REV 4317



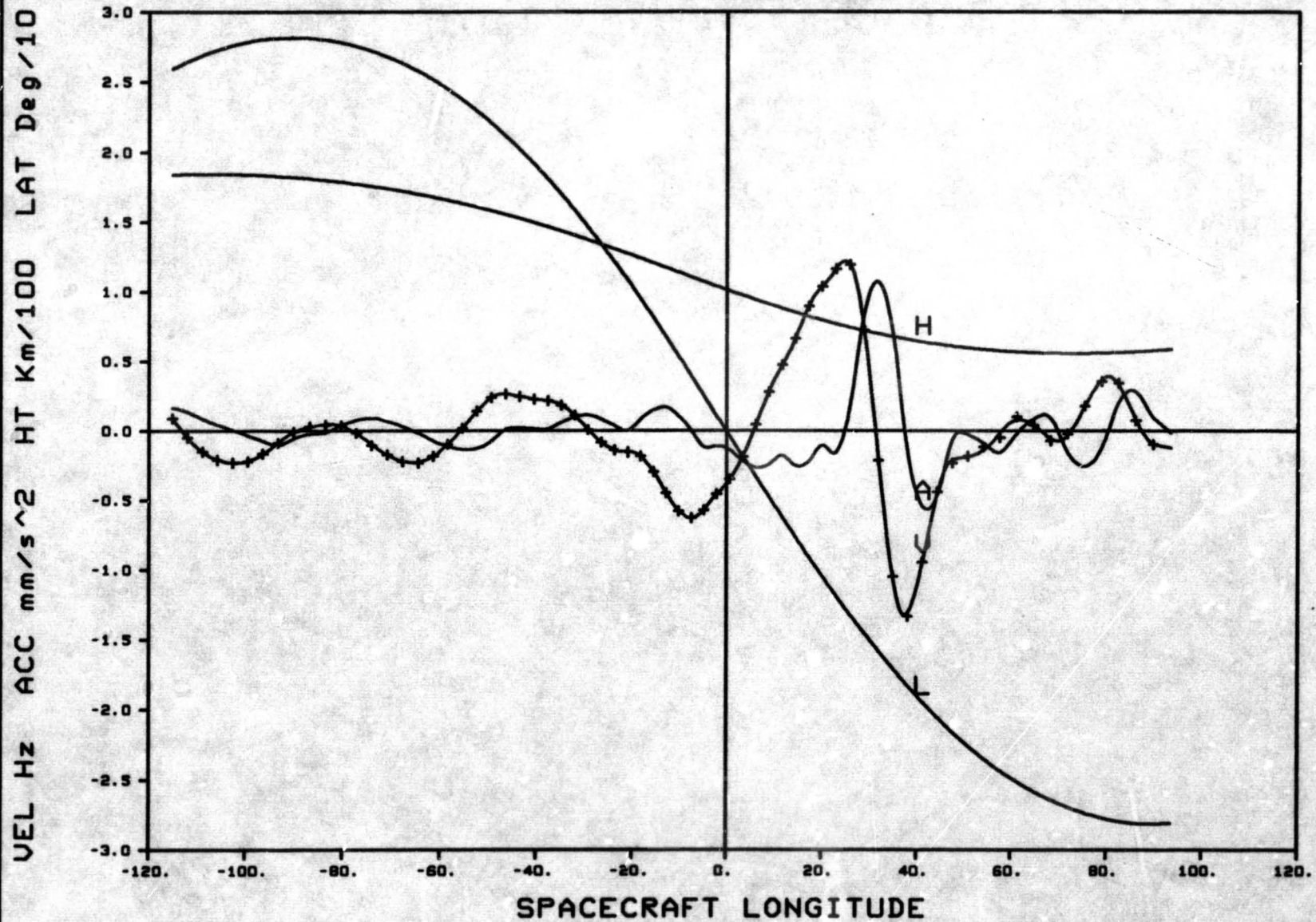
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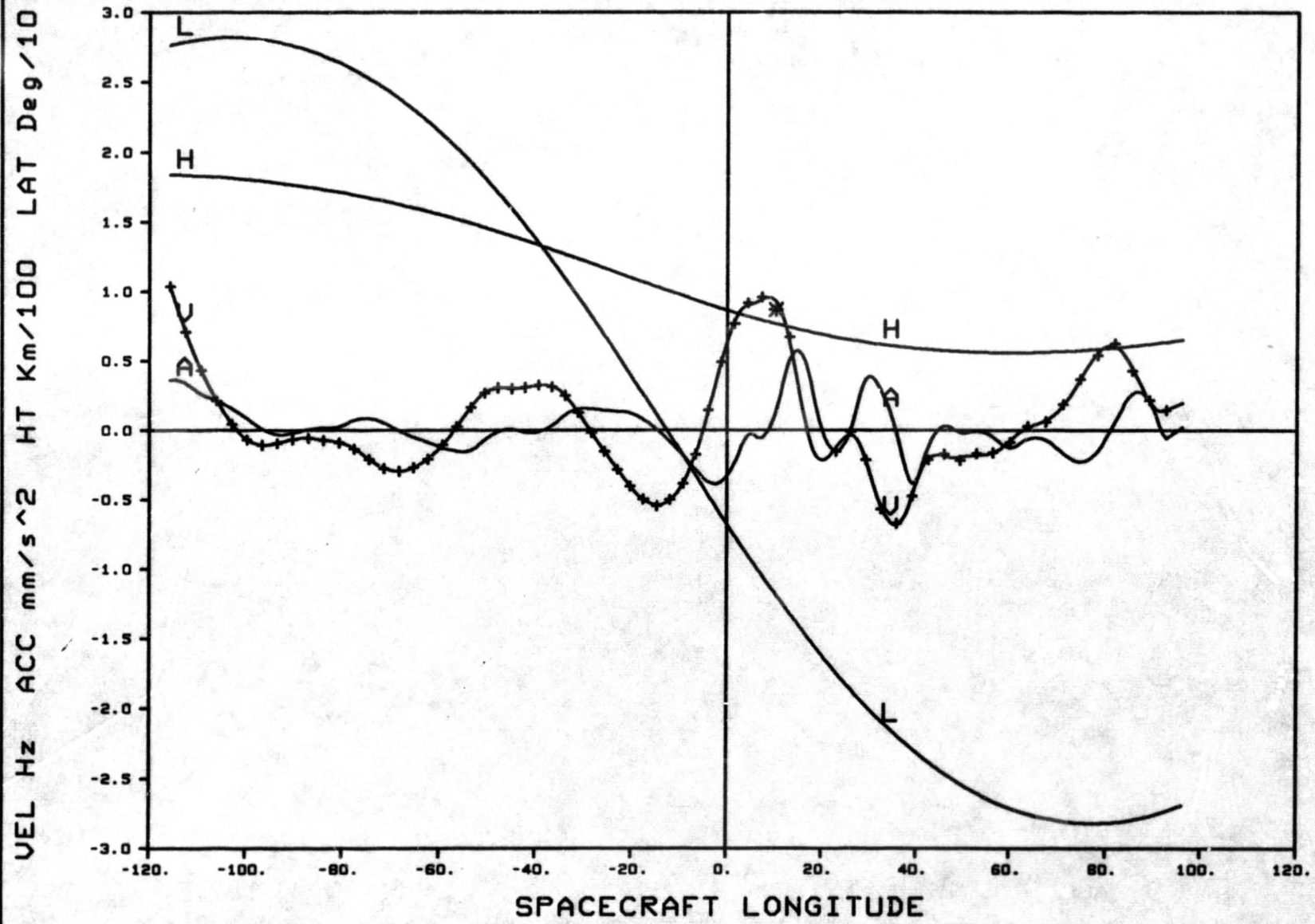
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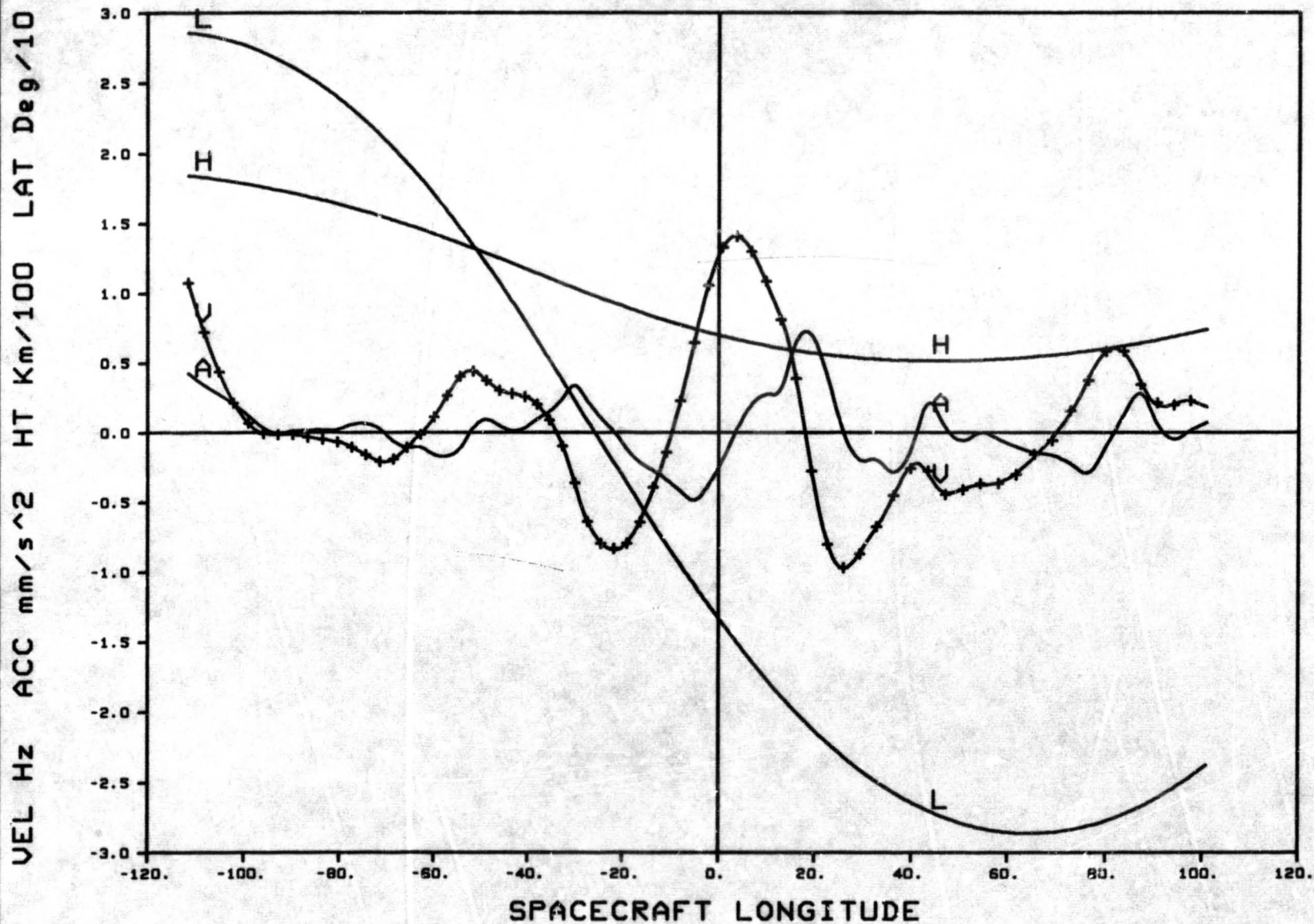
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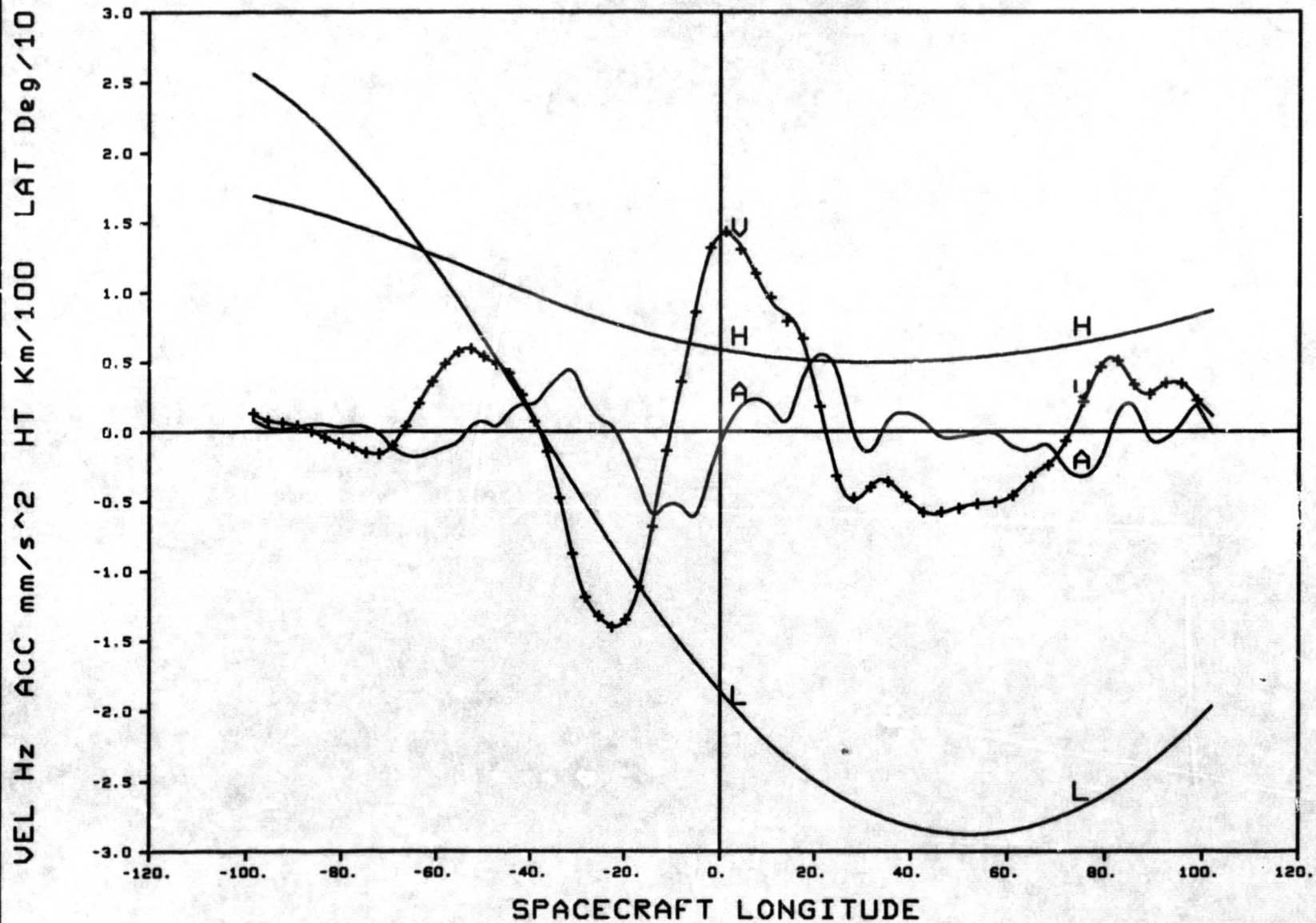
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APOLLO 15 REV 4378

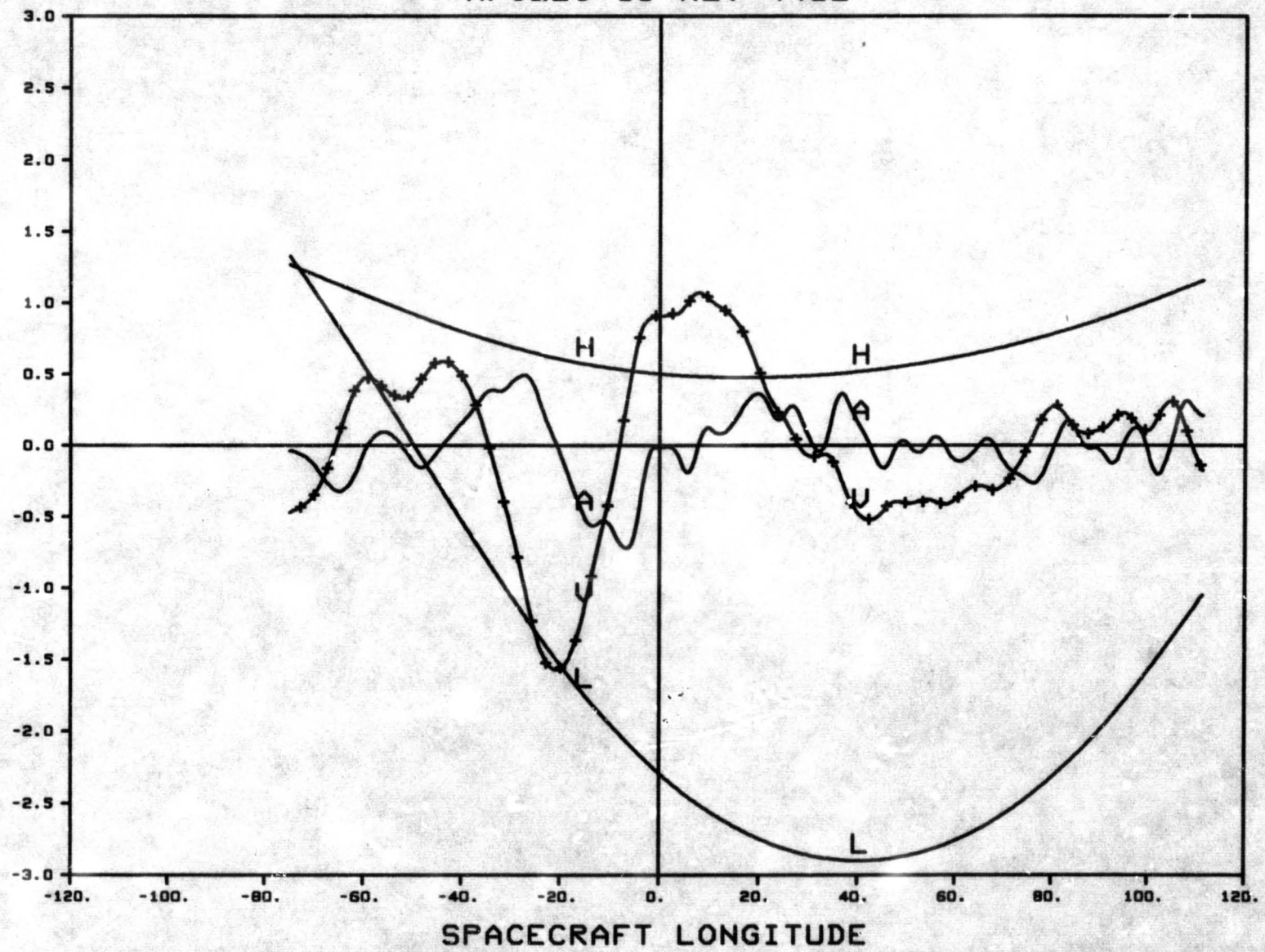


APOLLO 15 REV 4390

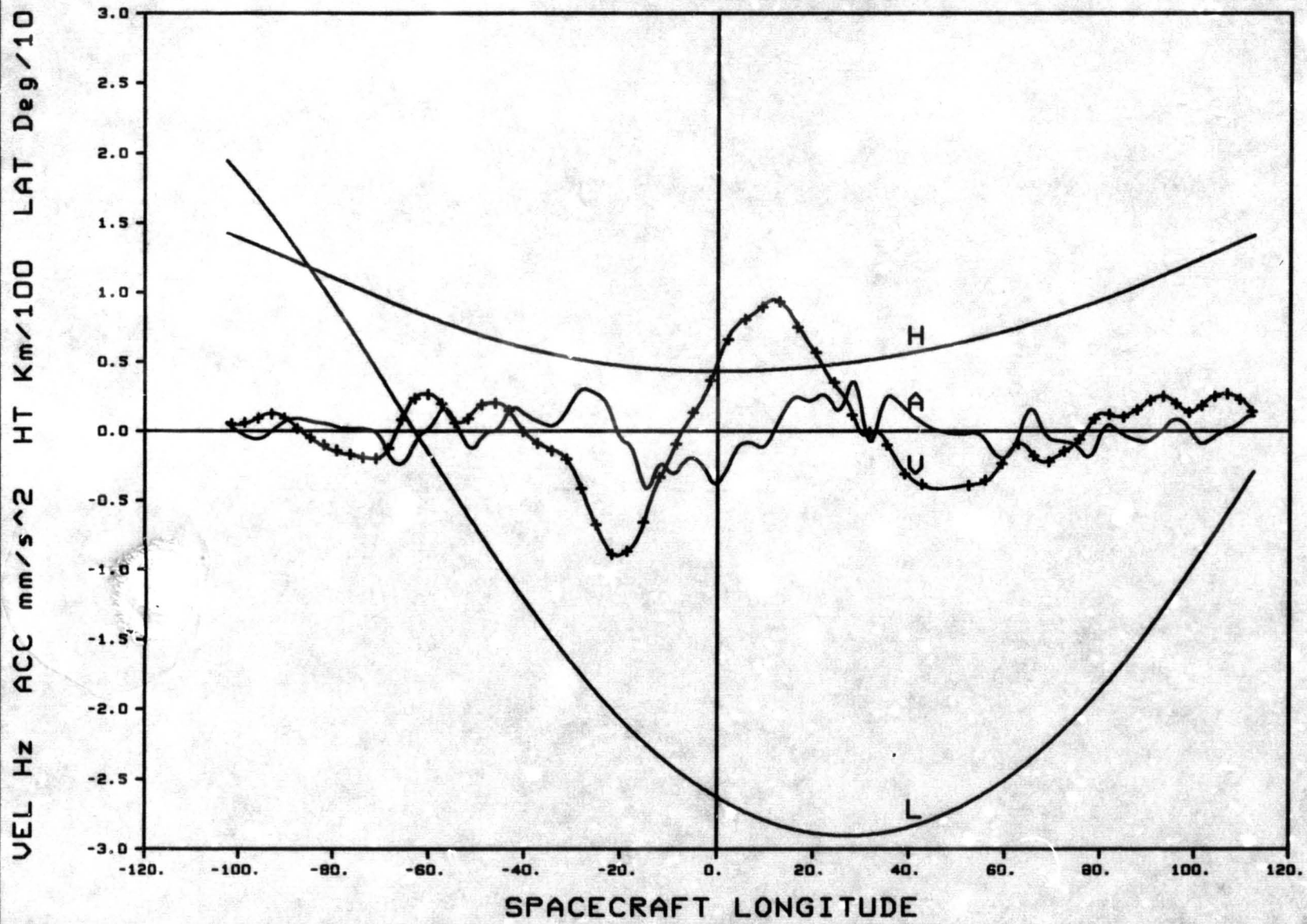


APOLLO 15 REV 4402

VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

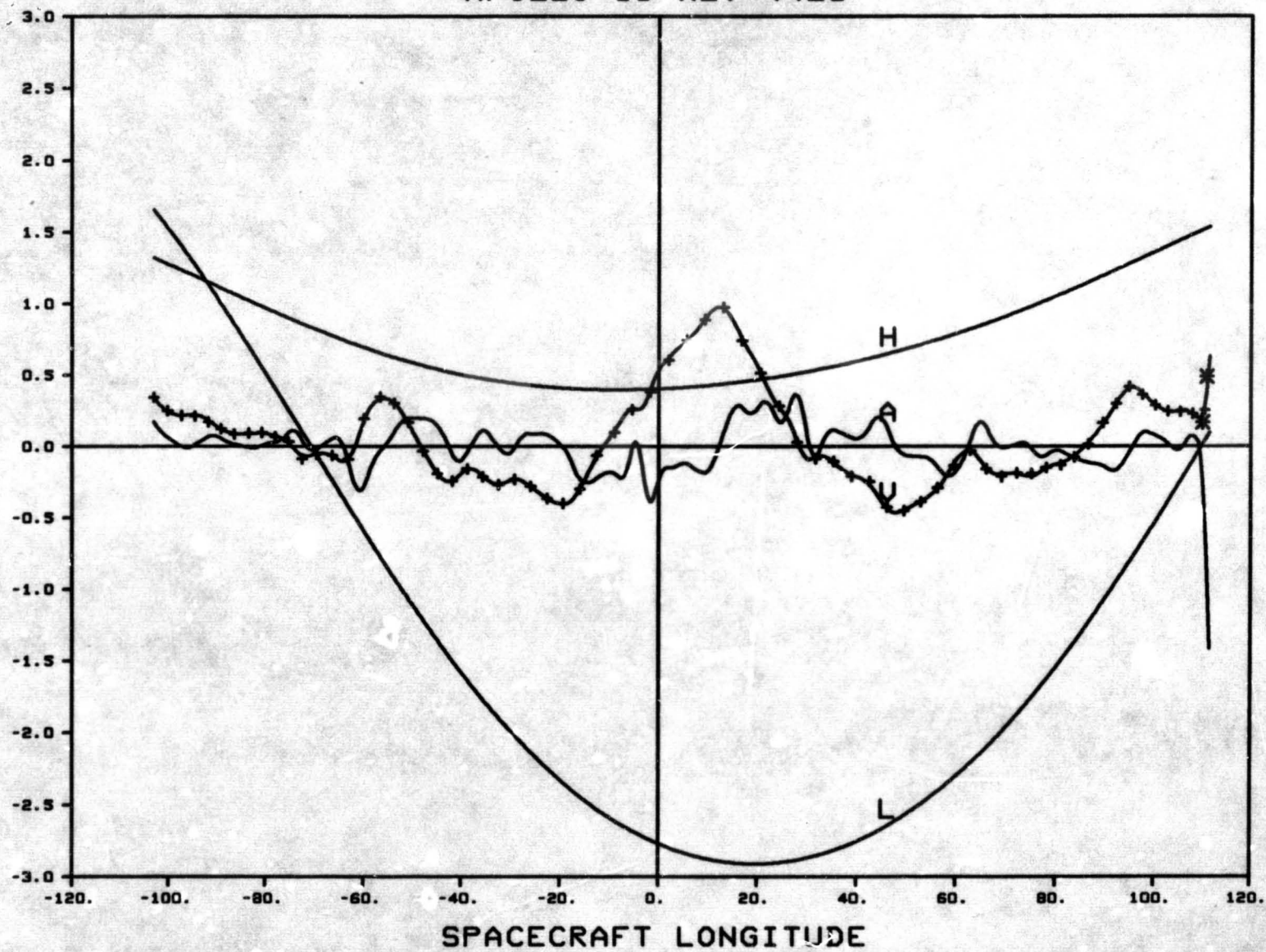


APOLLO 15 REV 4415



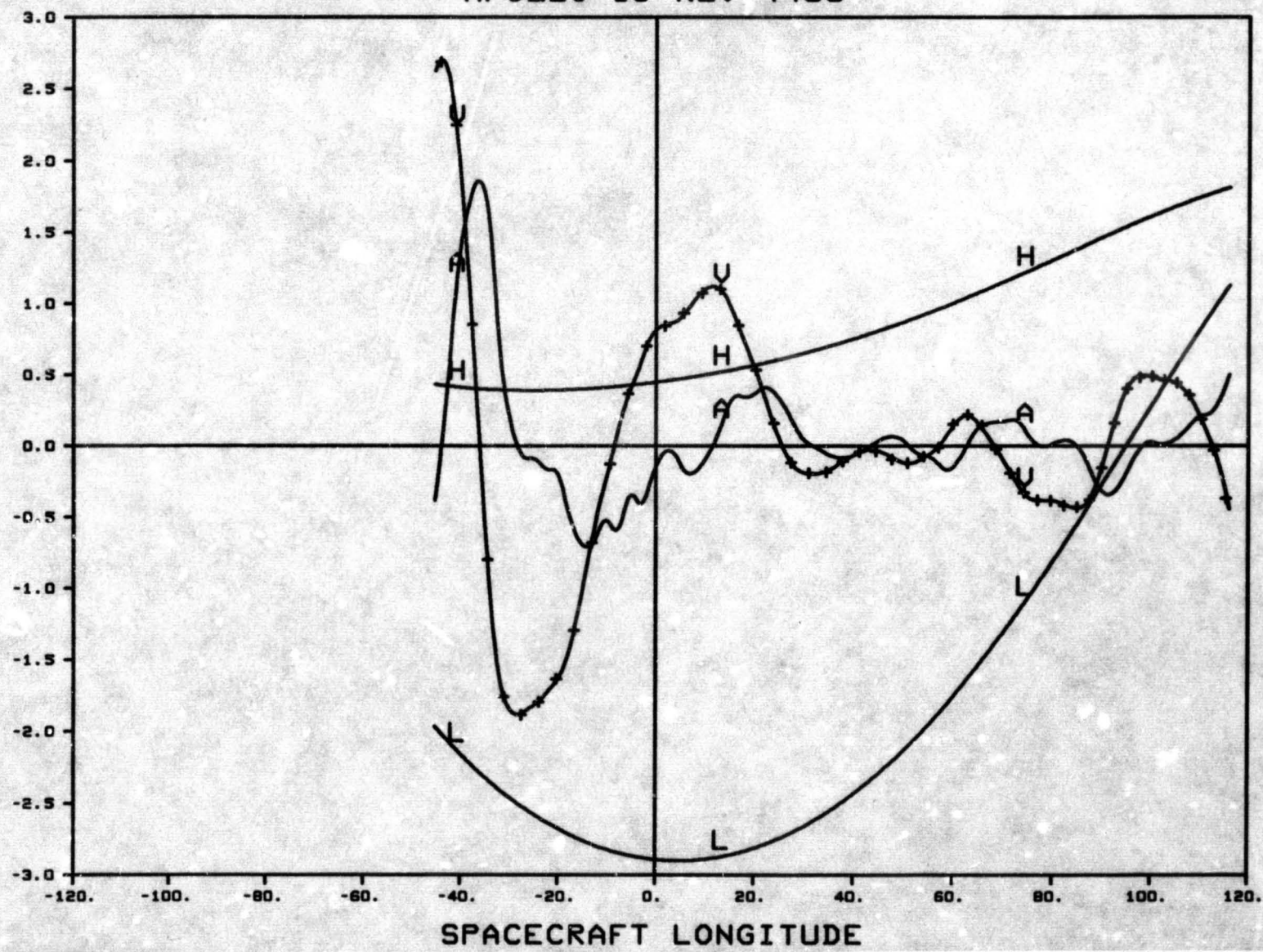
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

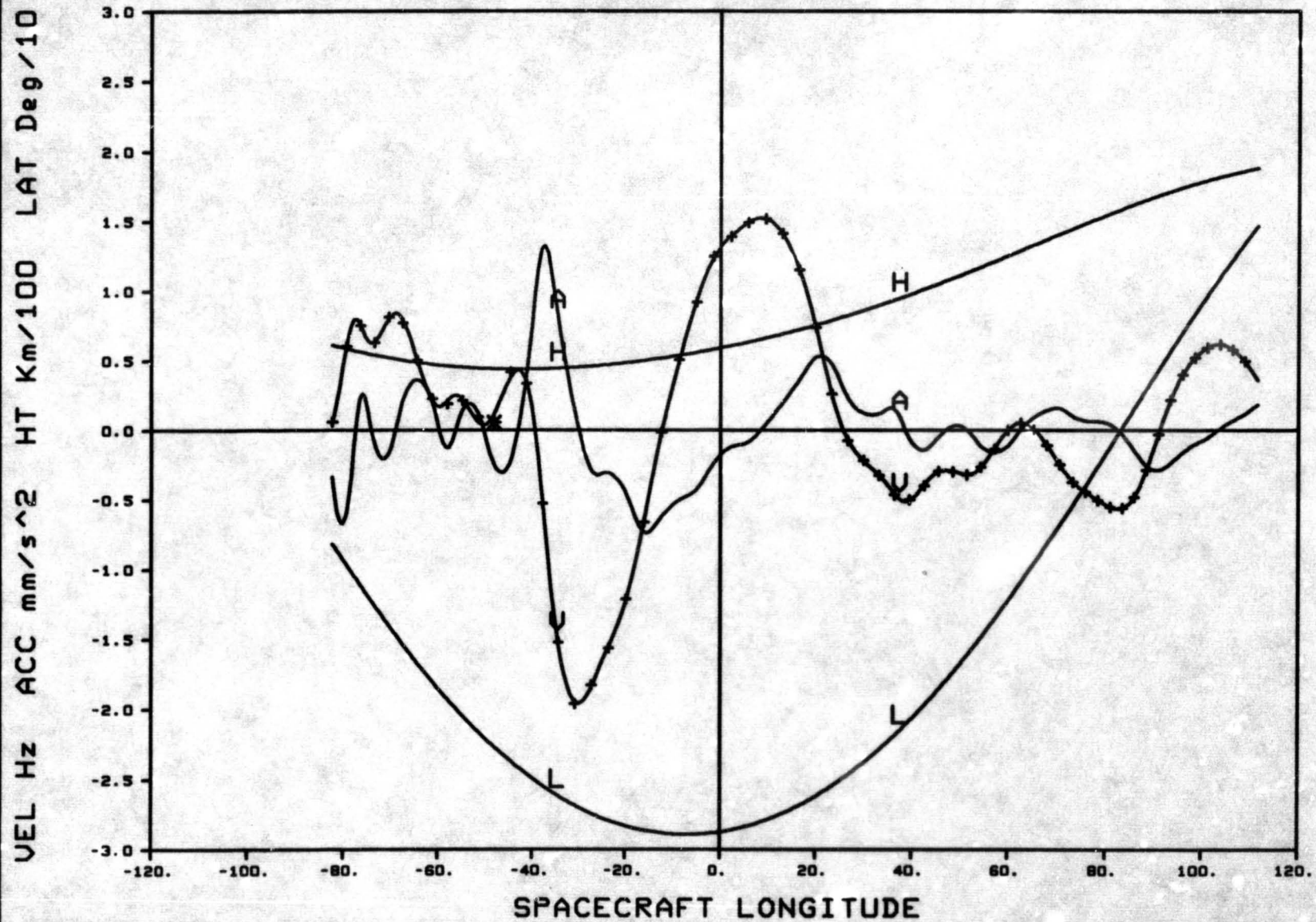


APOLLO 15 REV 4438

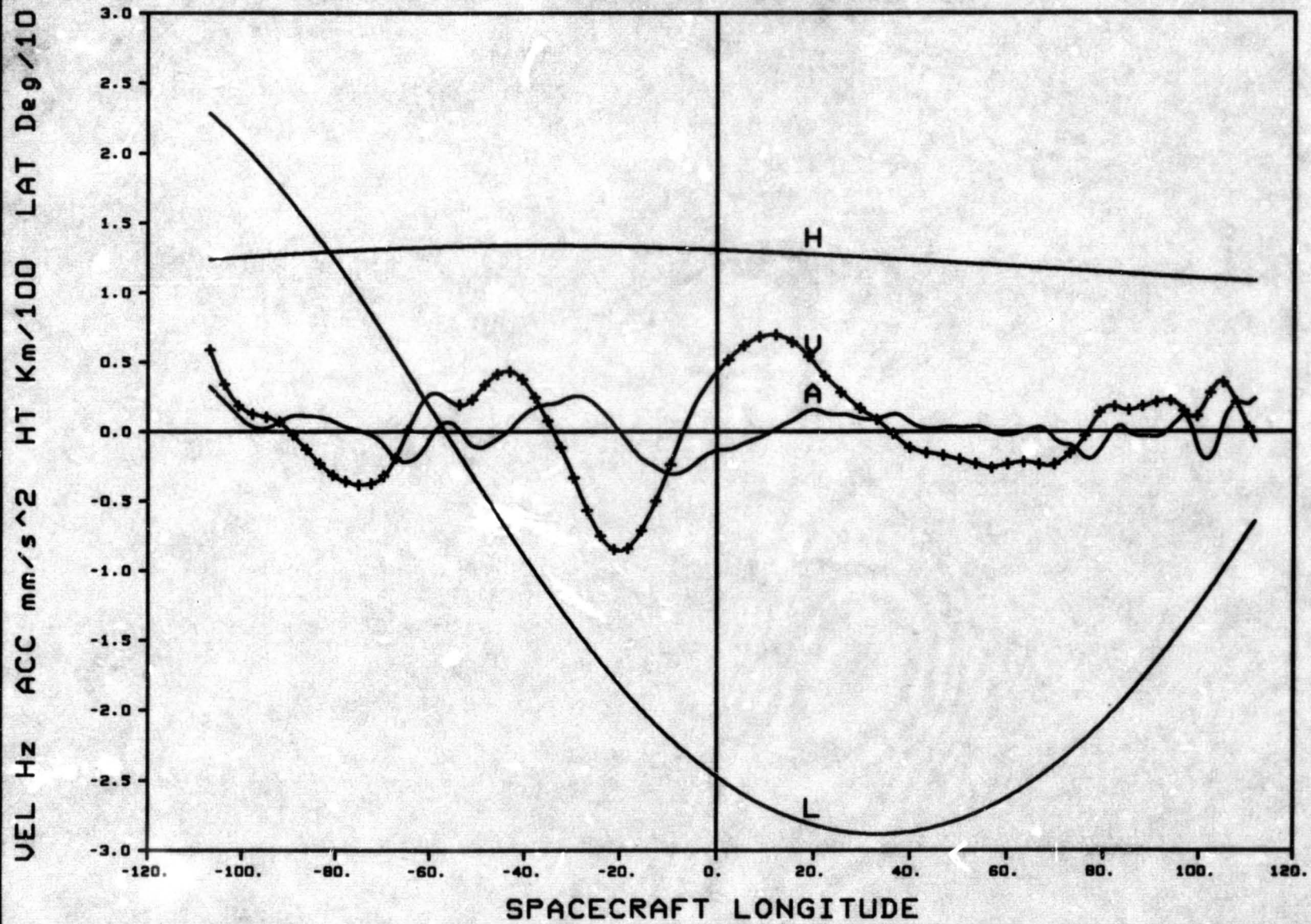
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



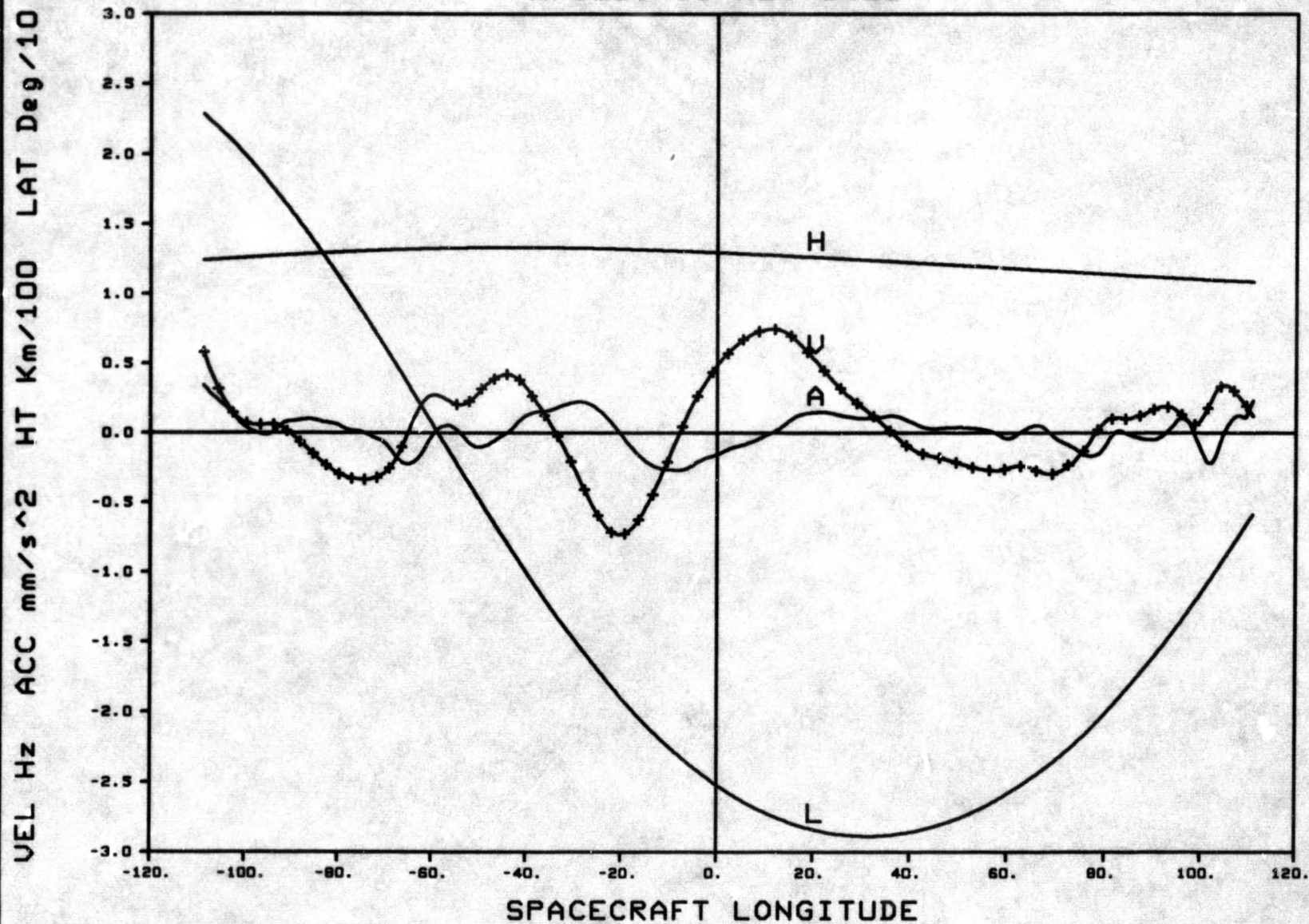
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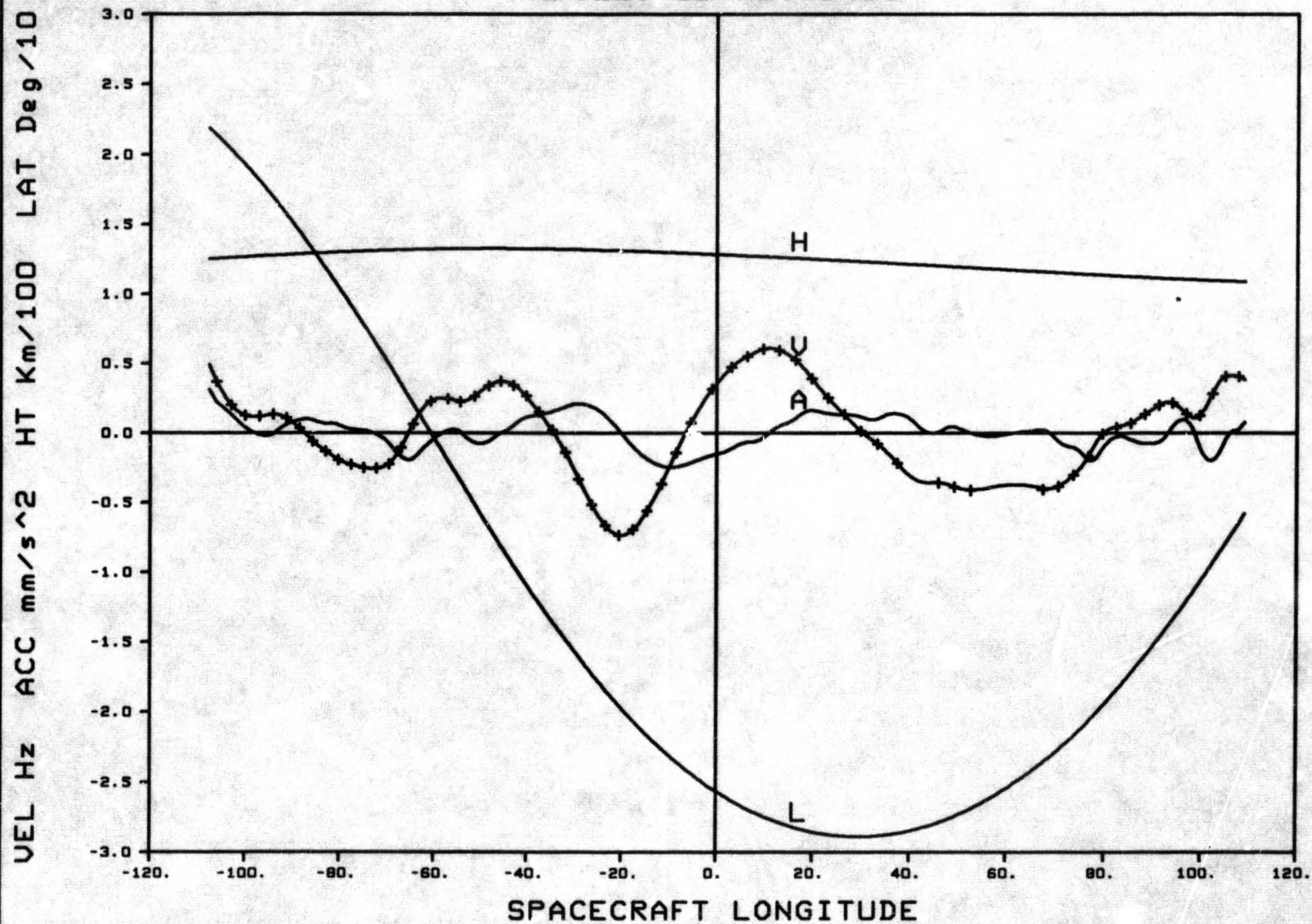
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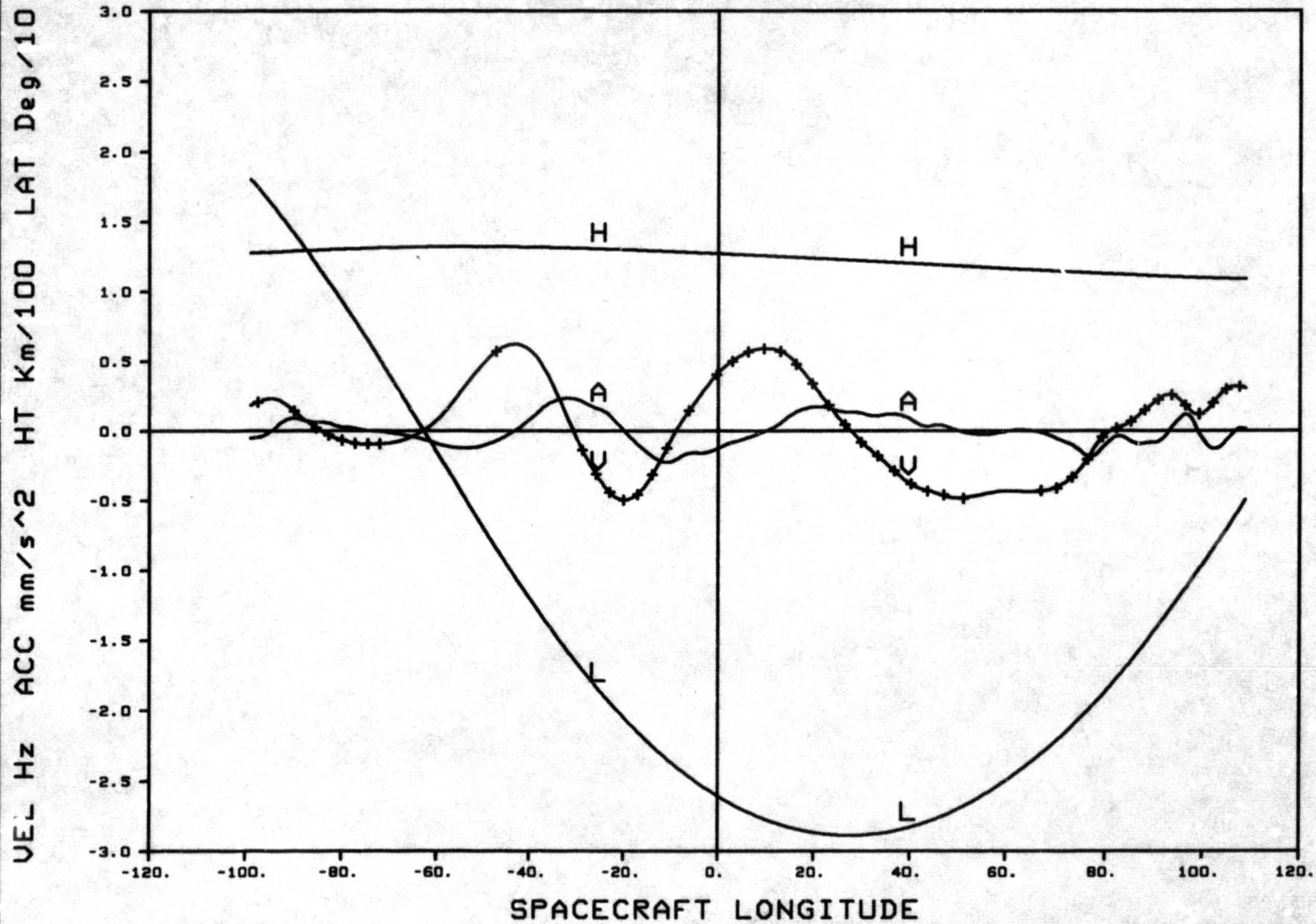
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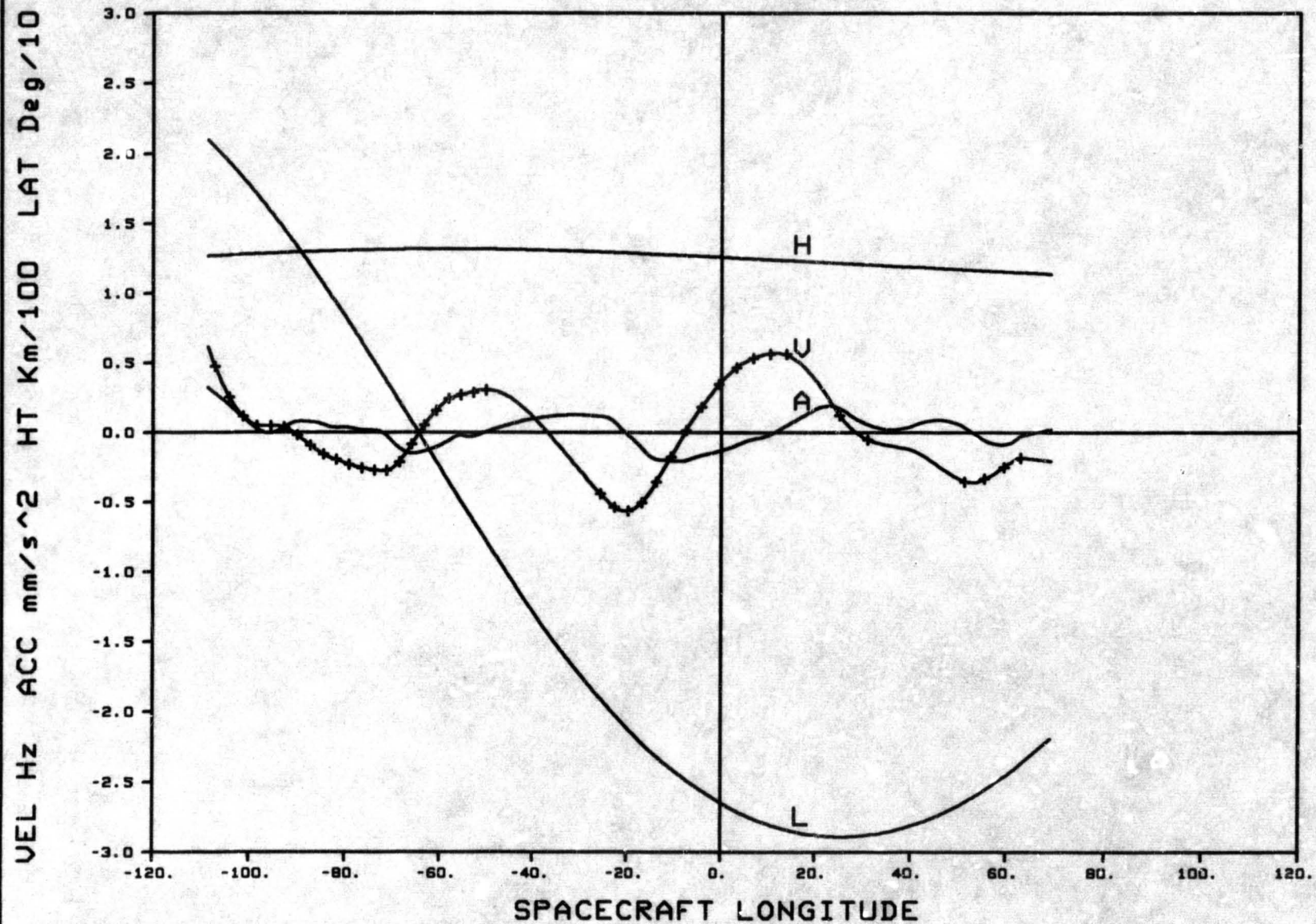
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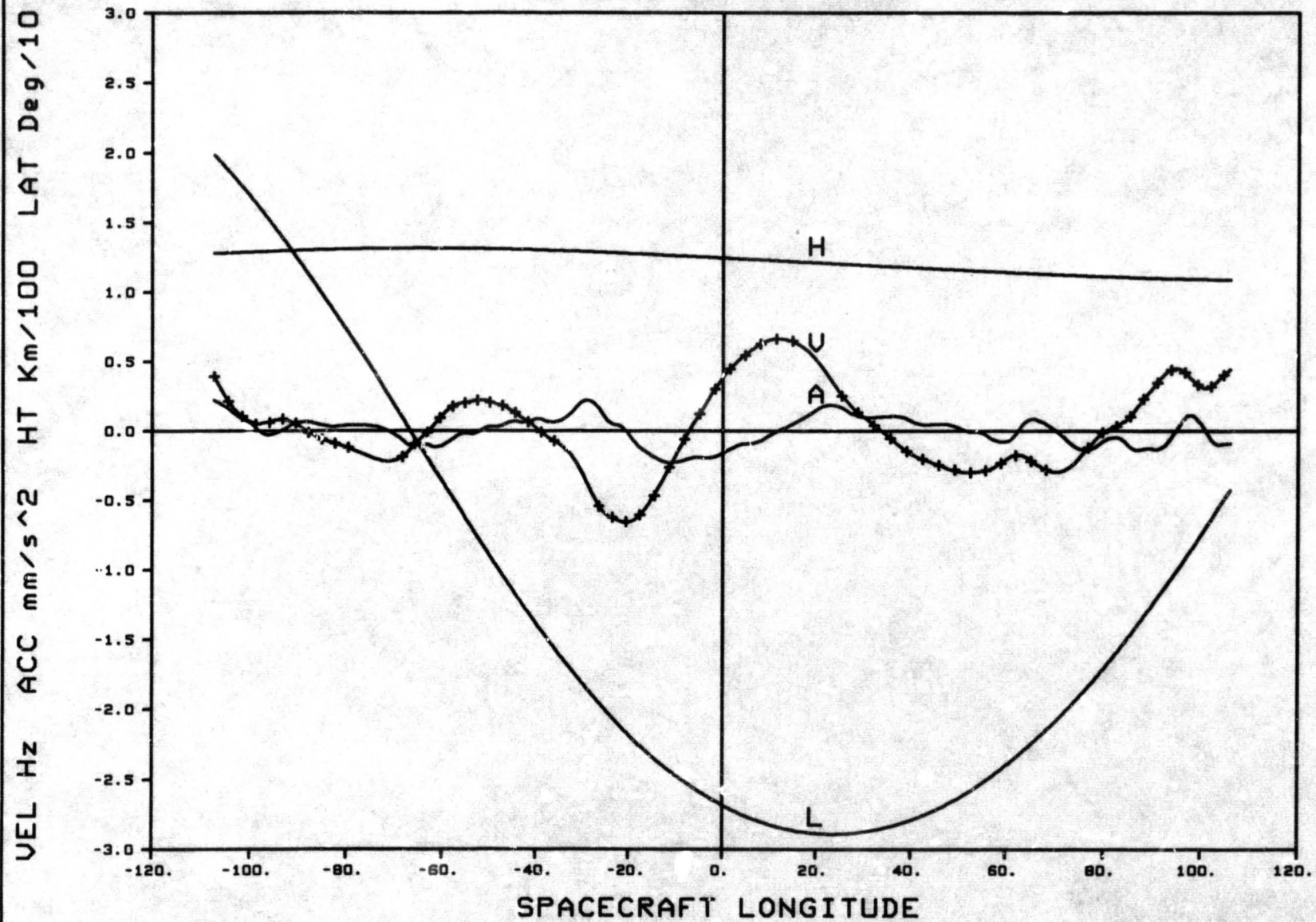
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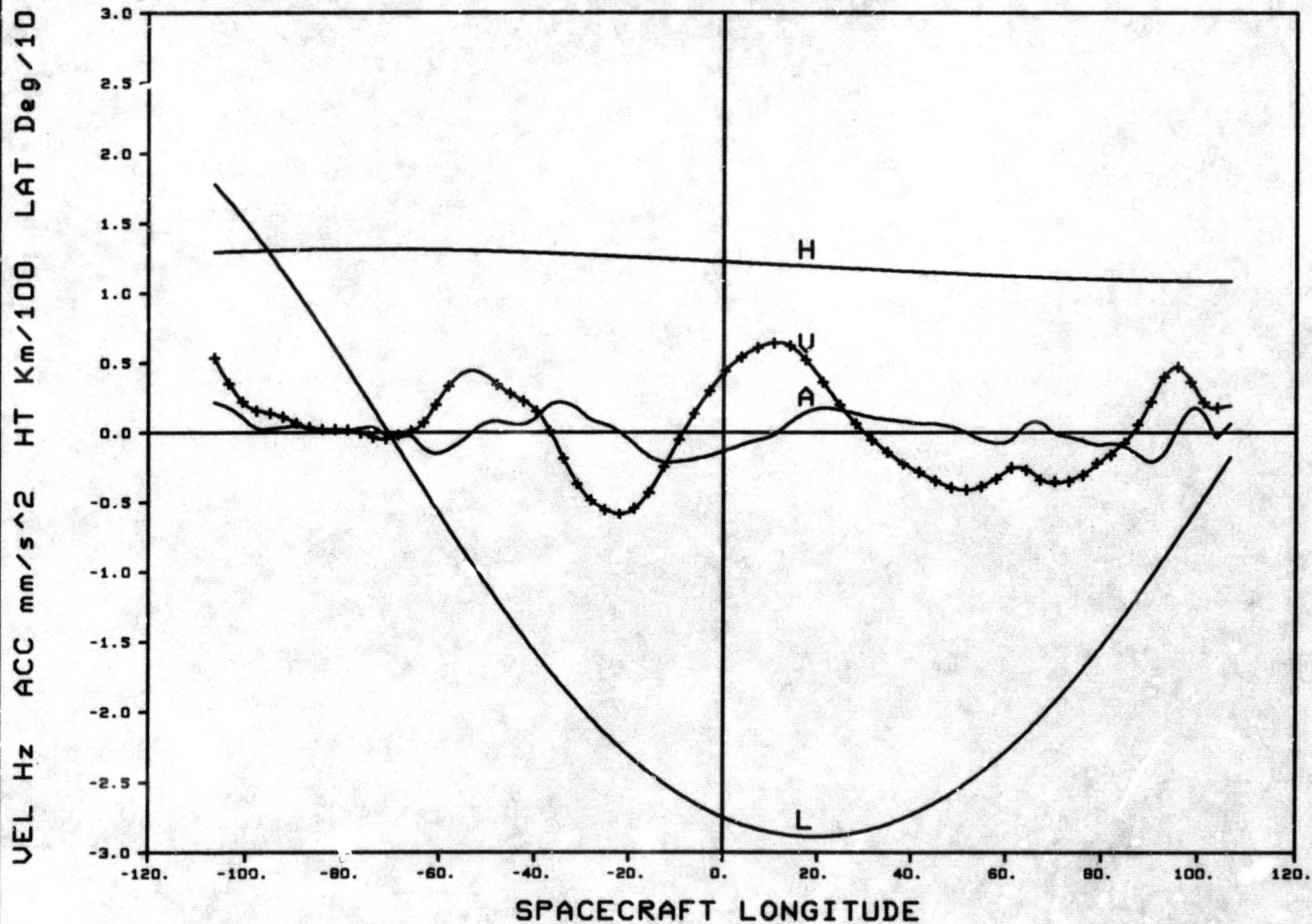
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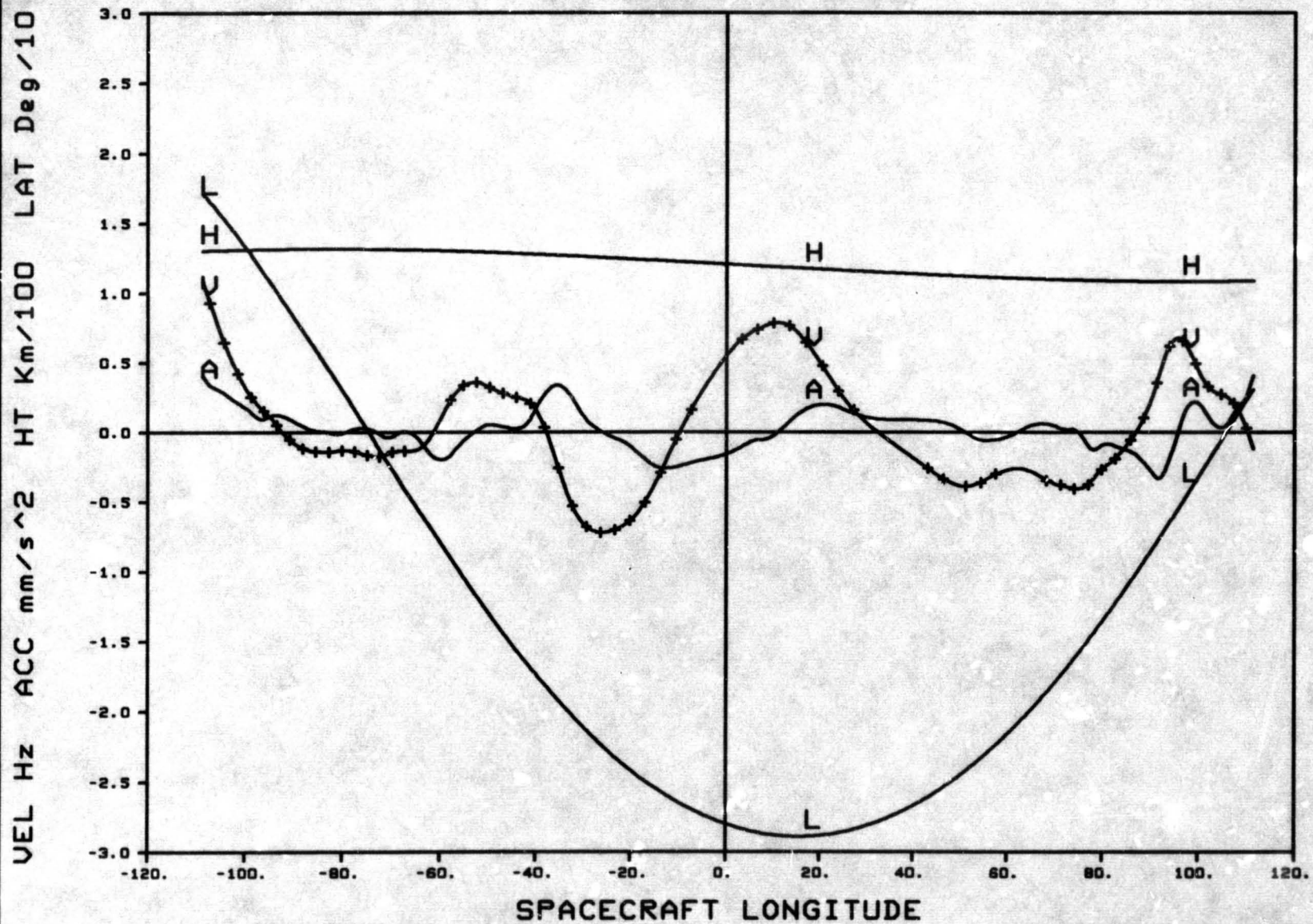
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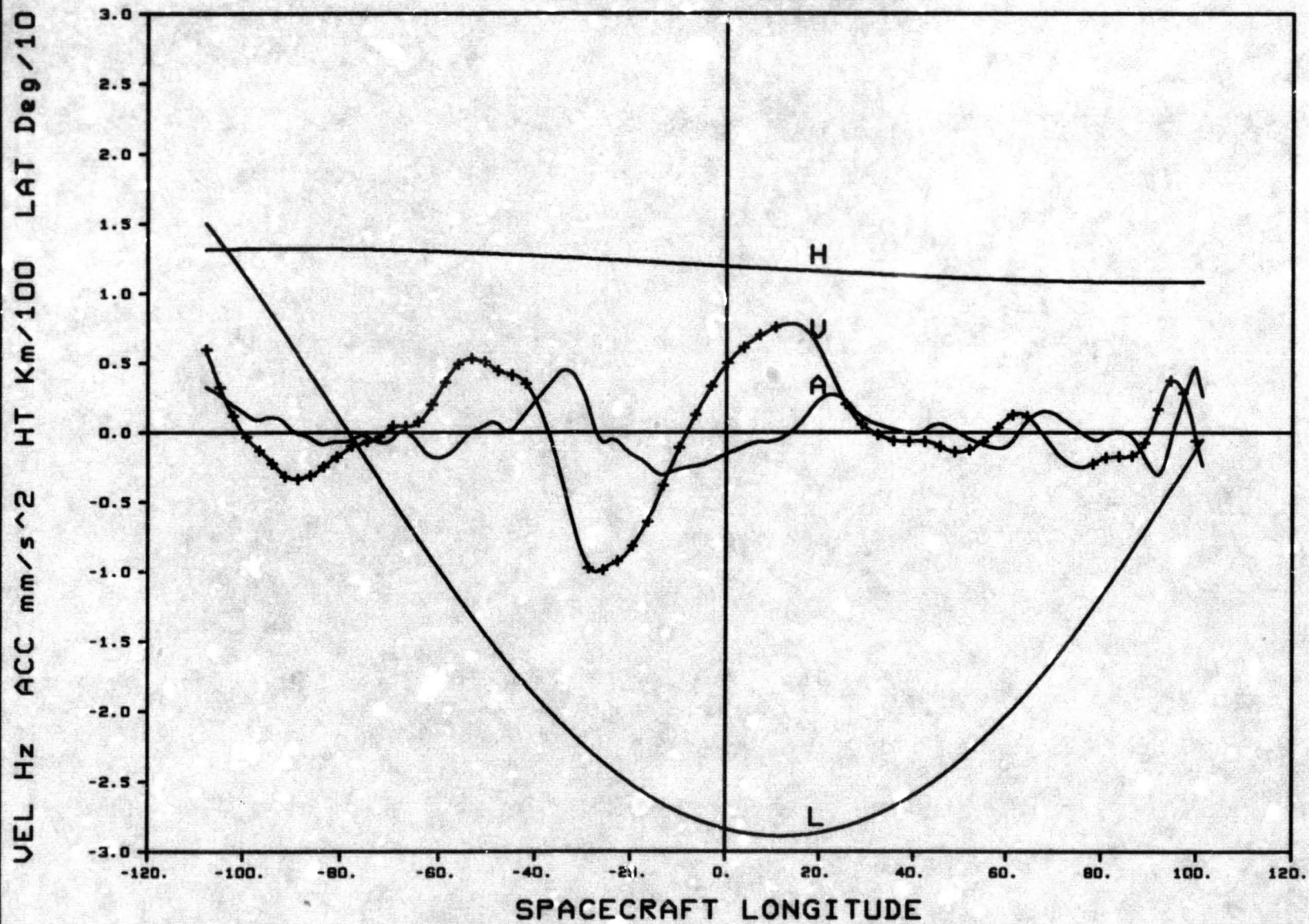
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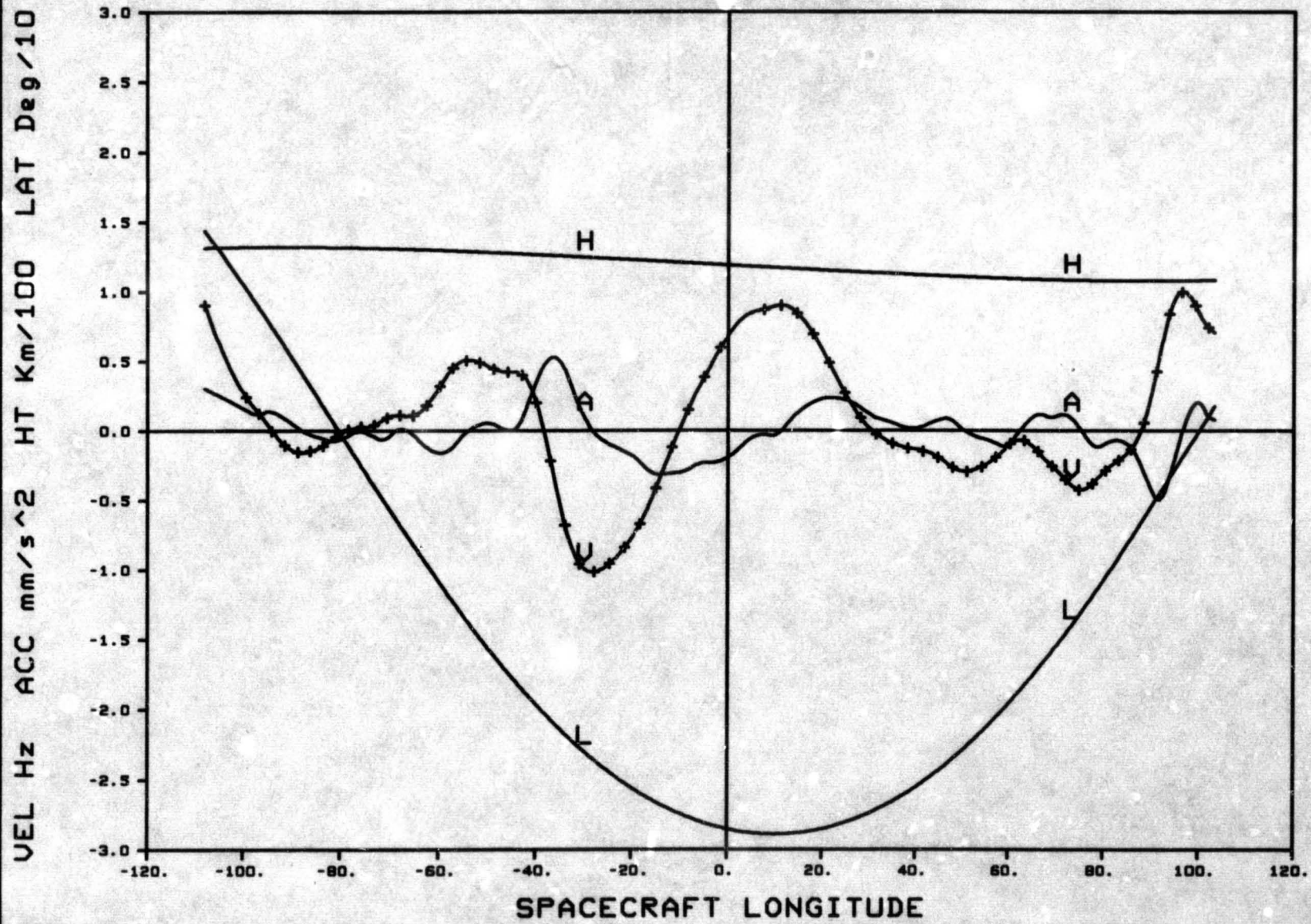
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APOLLO 15 REV 5508

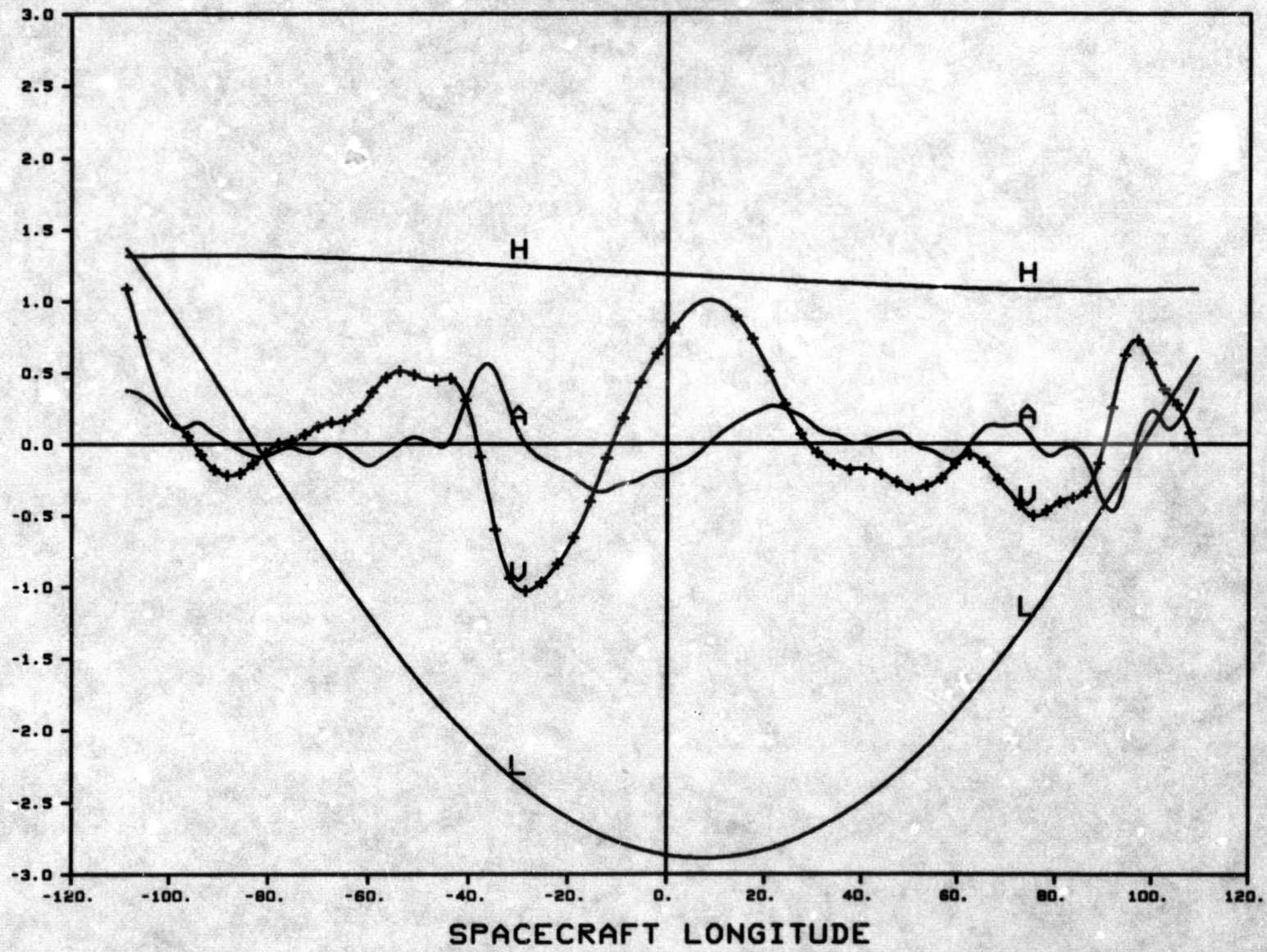


APOLLO 15 REV 5510

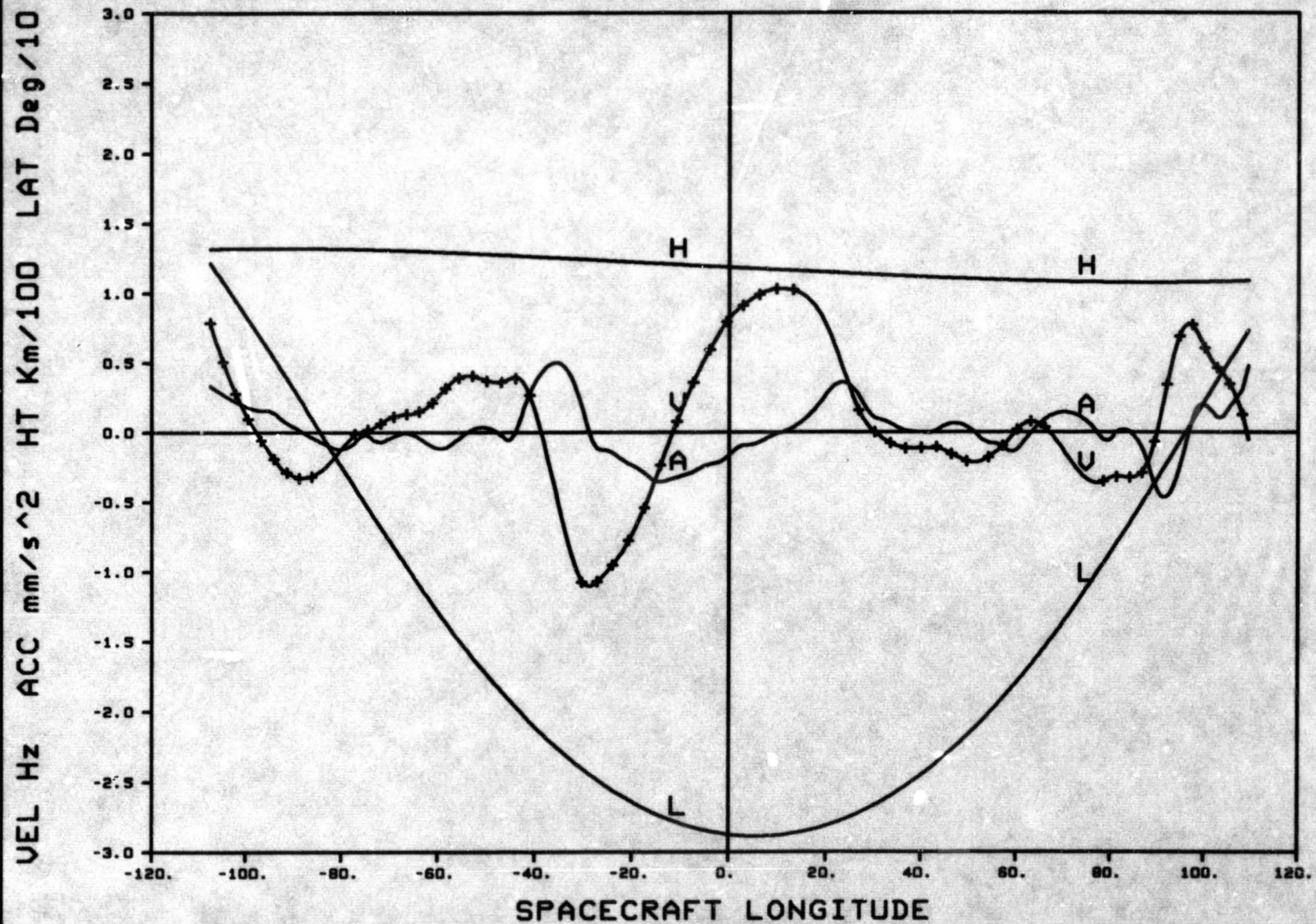


APOLLO 15 REV 5512

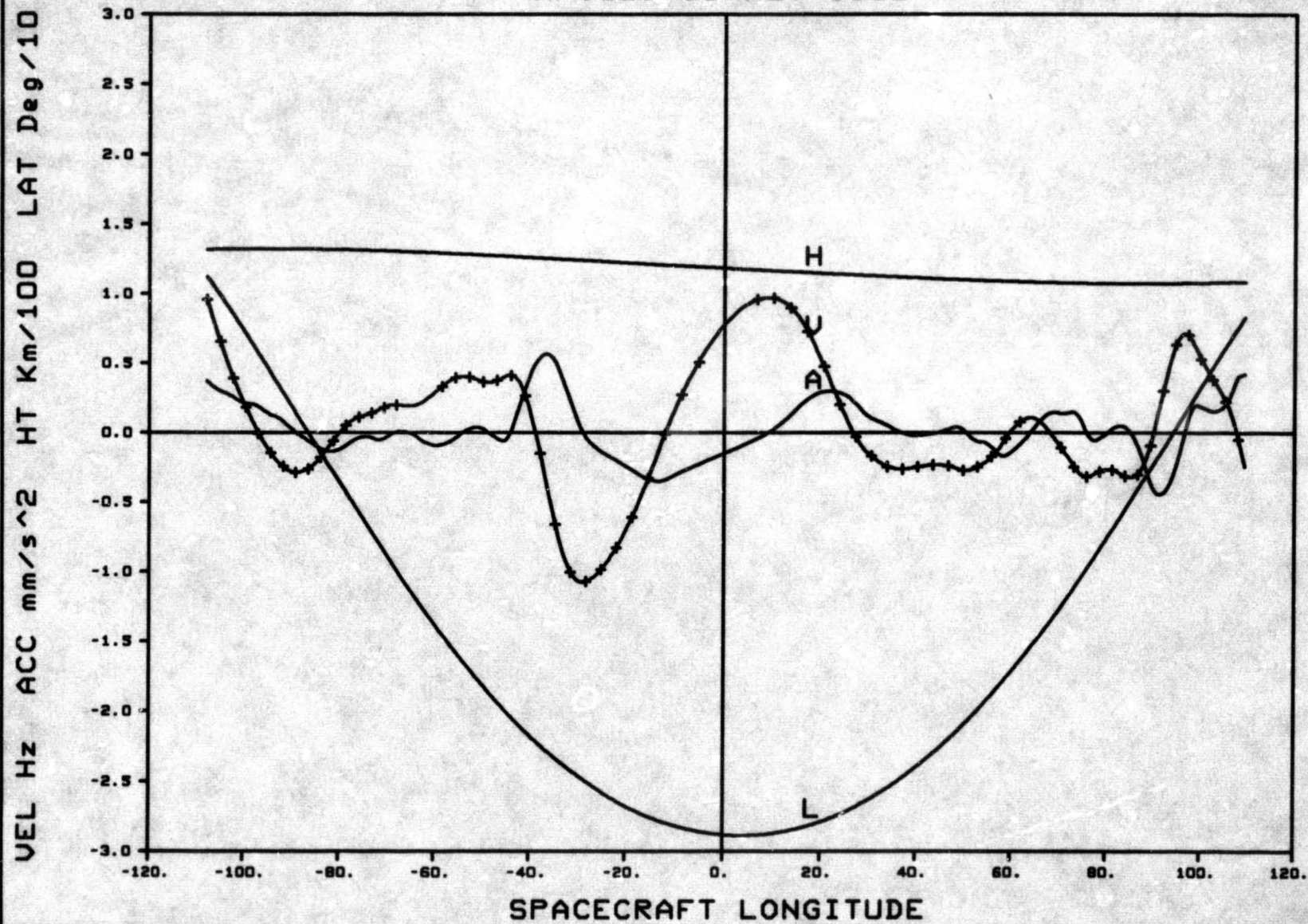
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



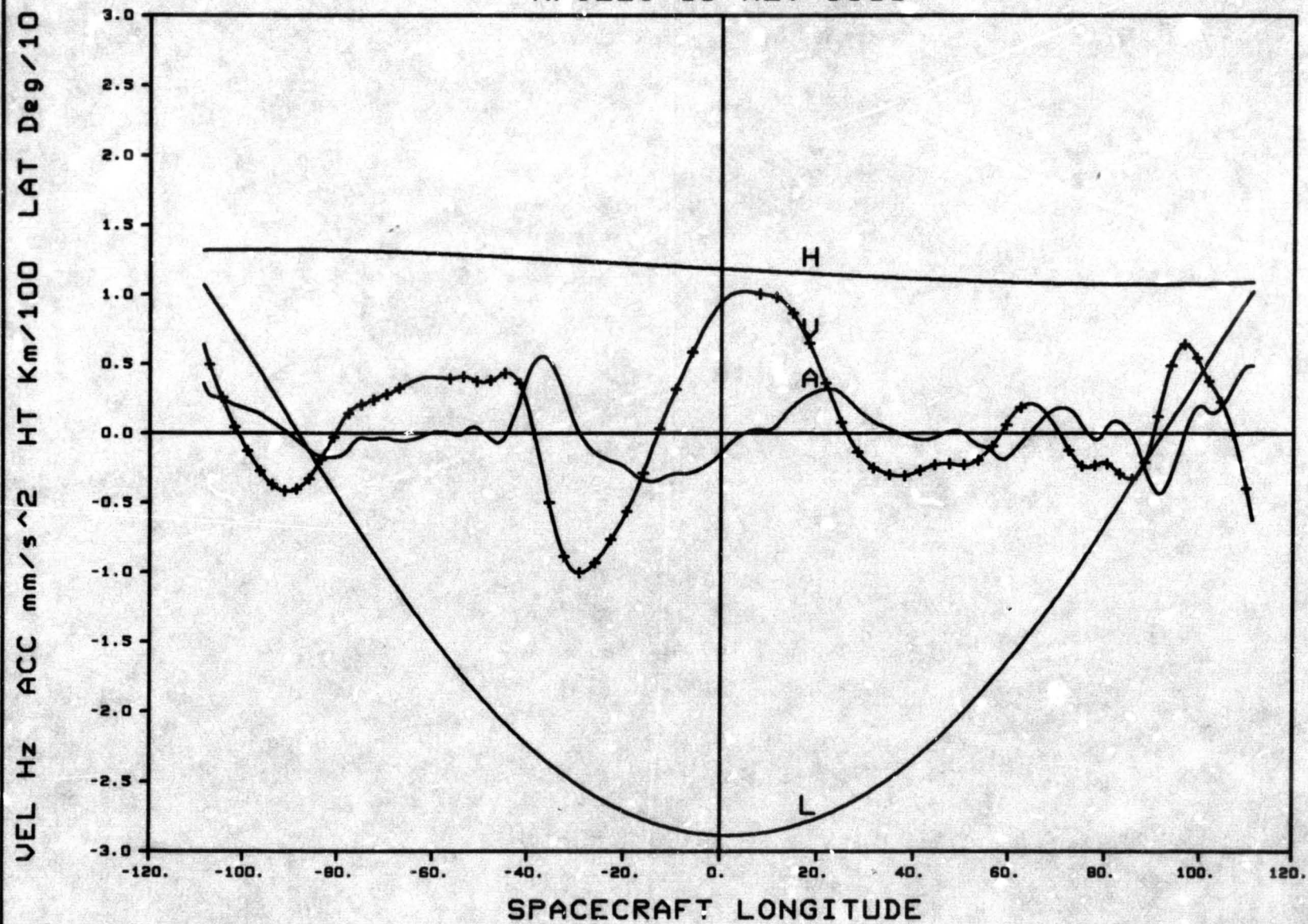
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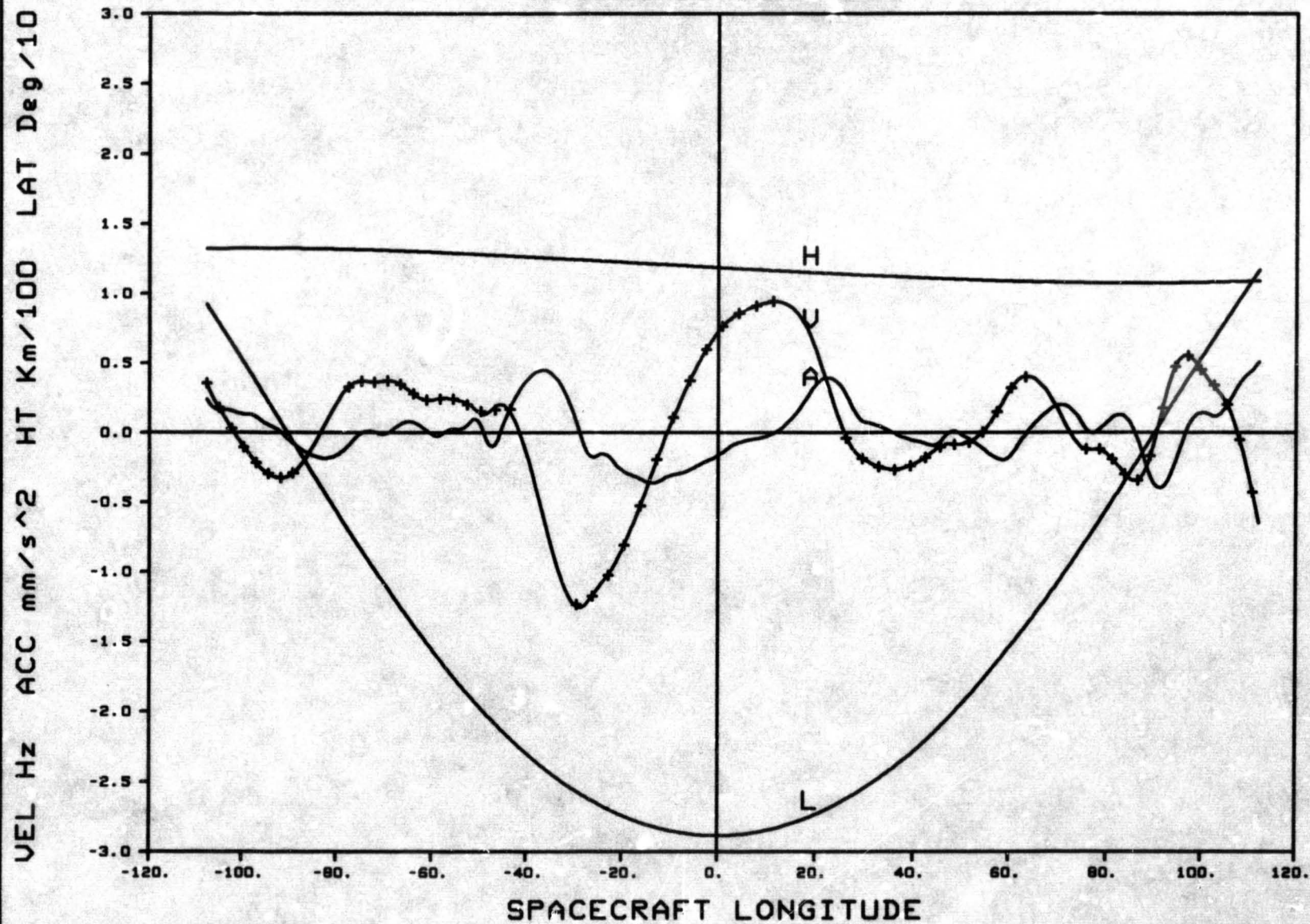
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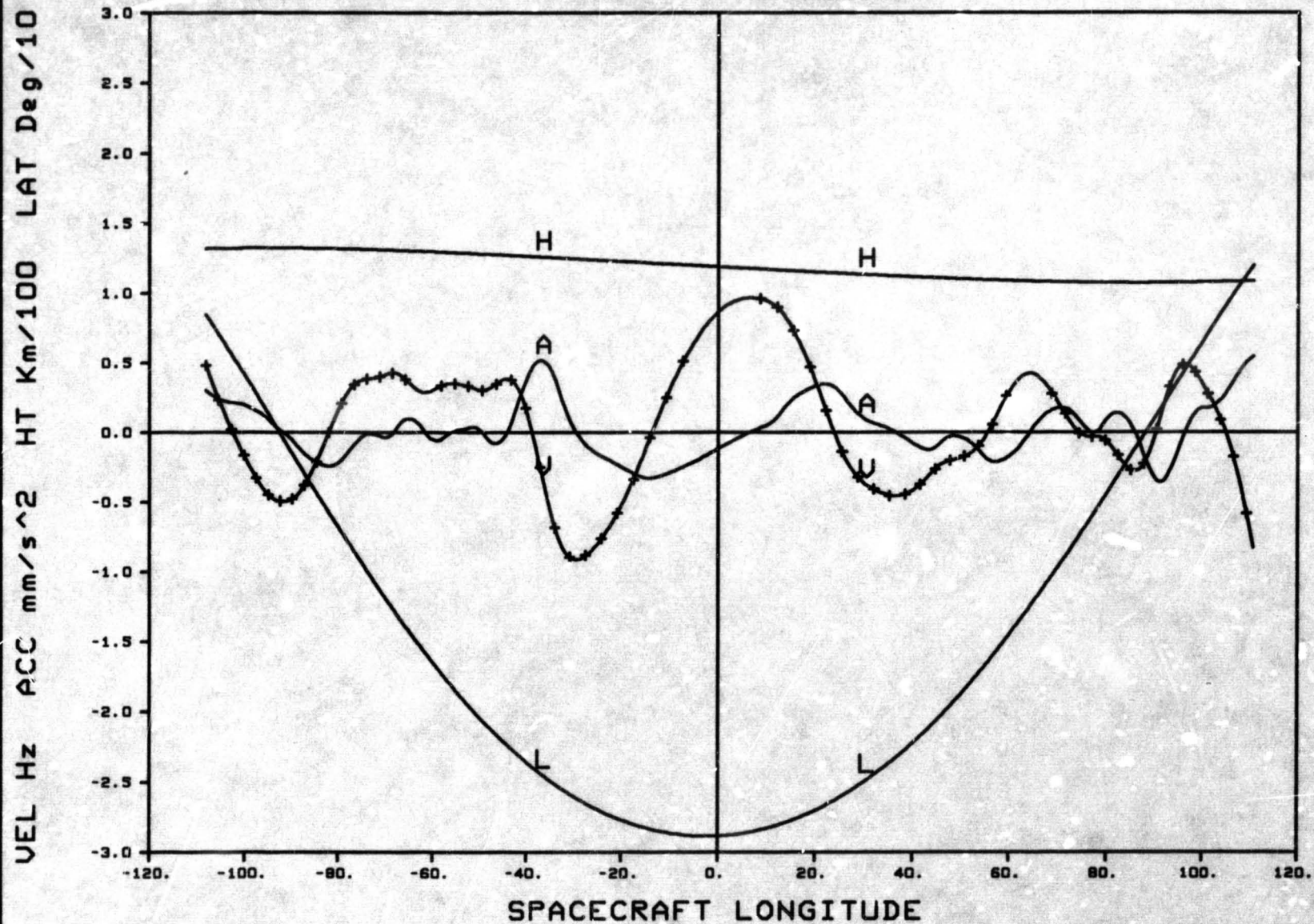
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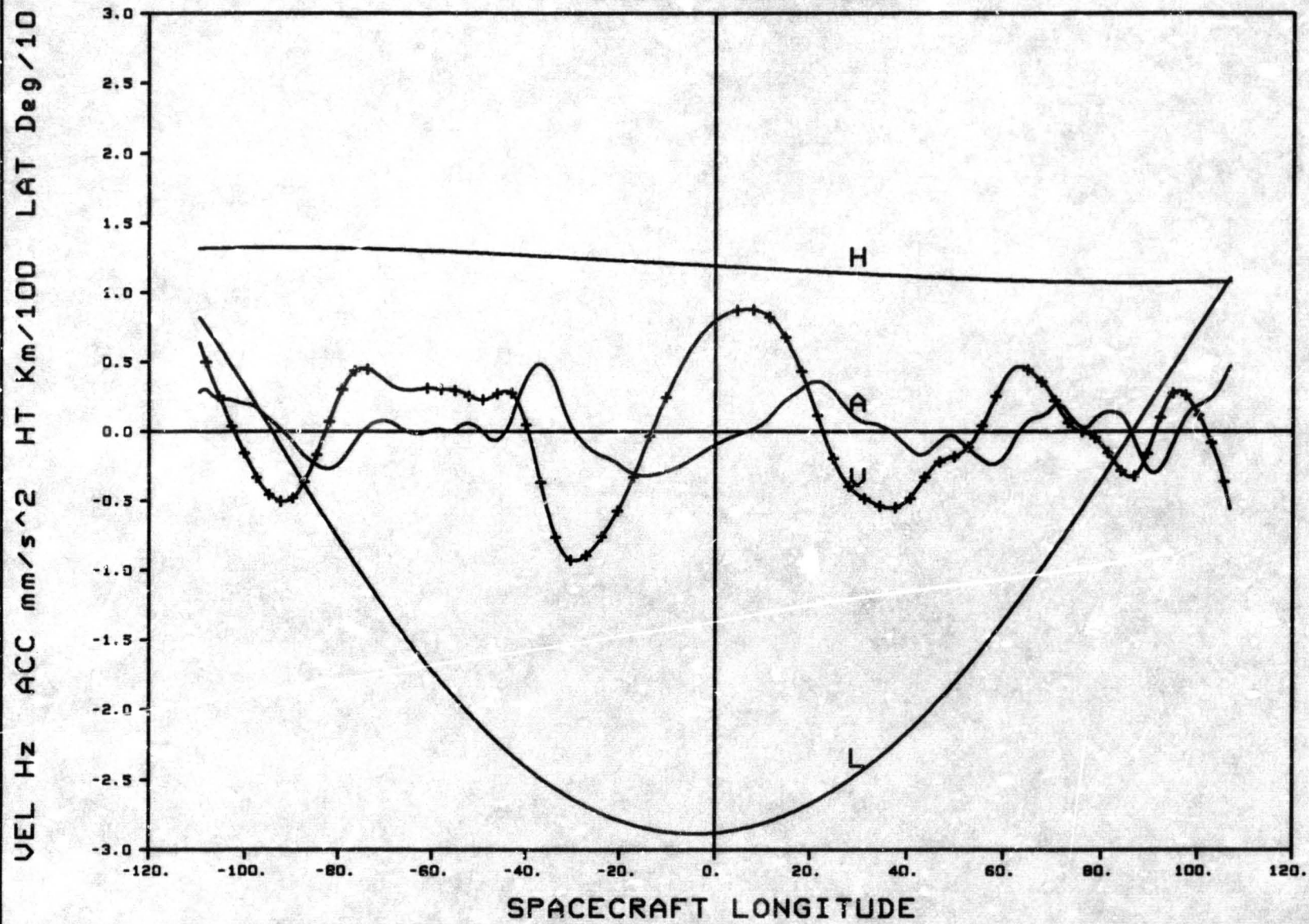
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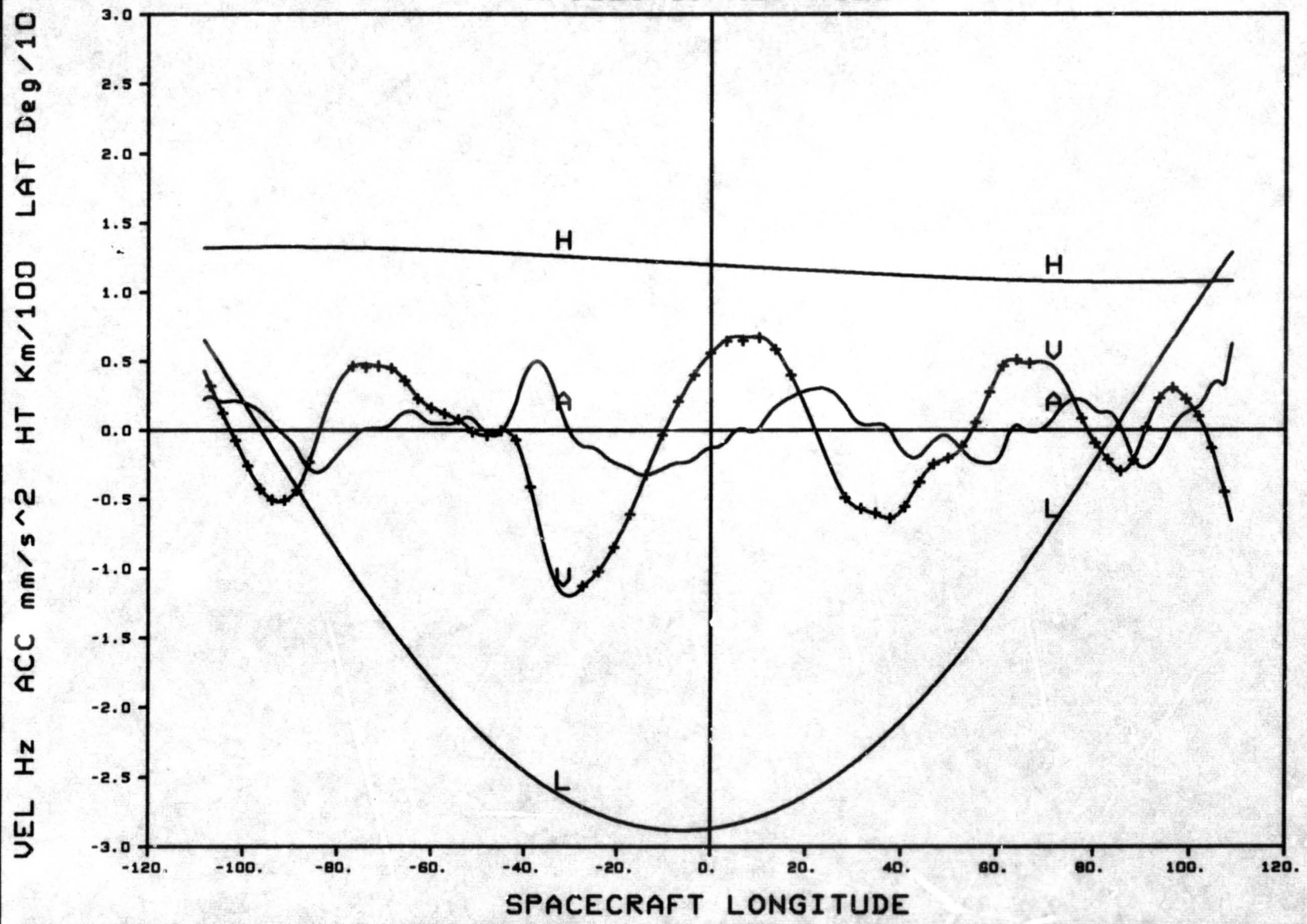
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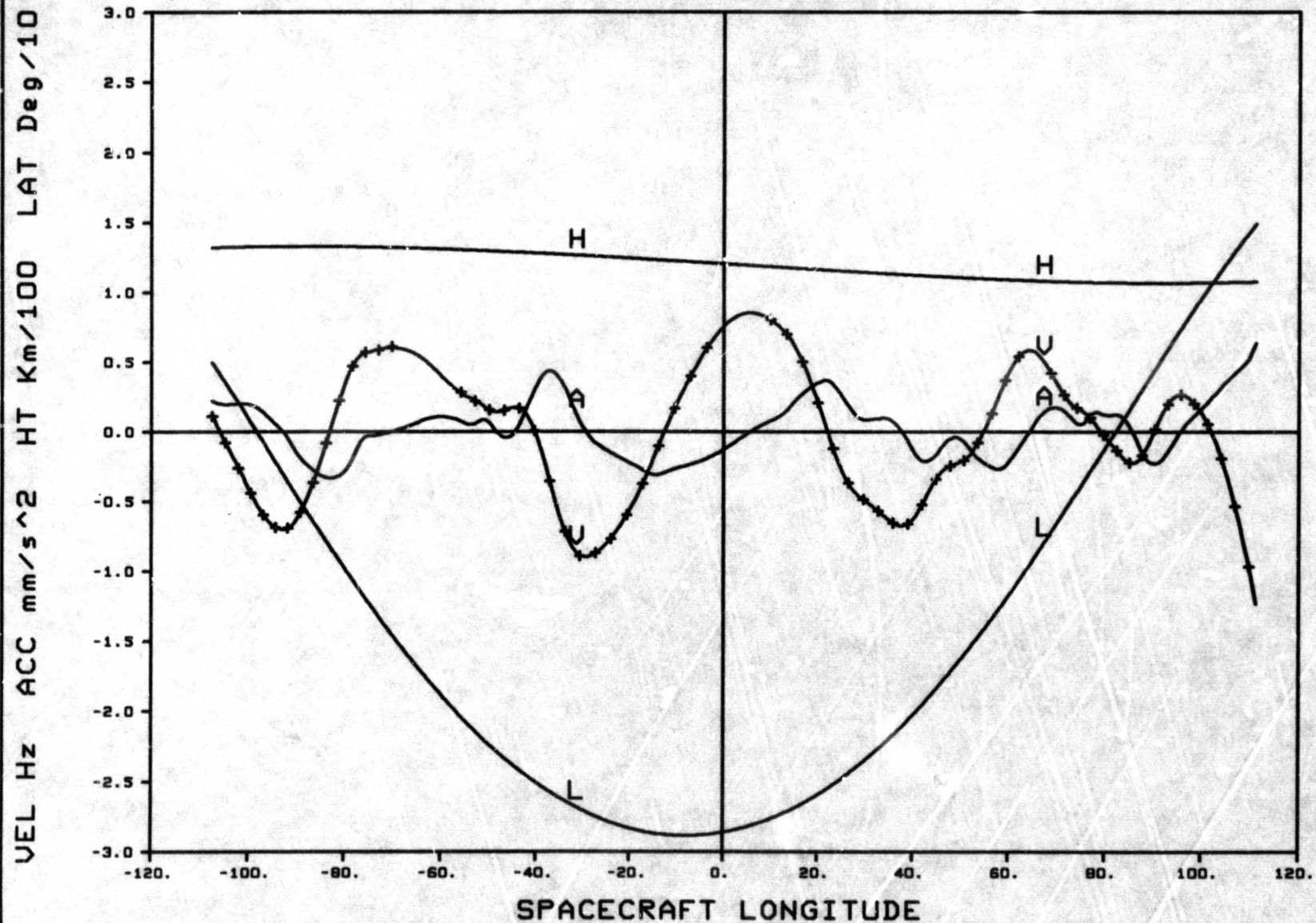
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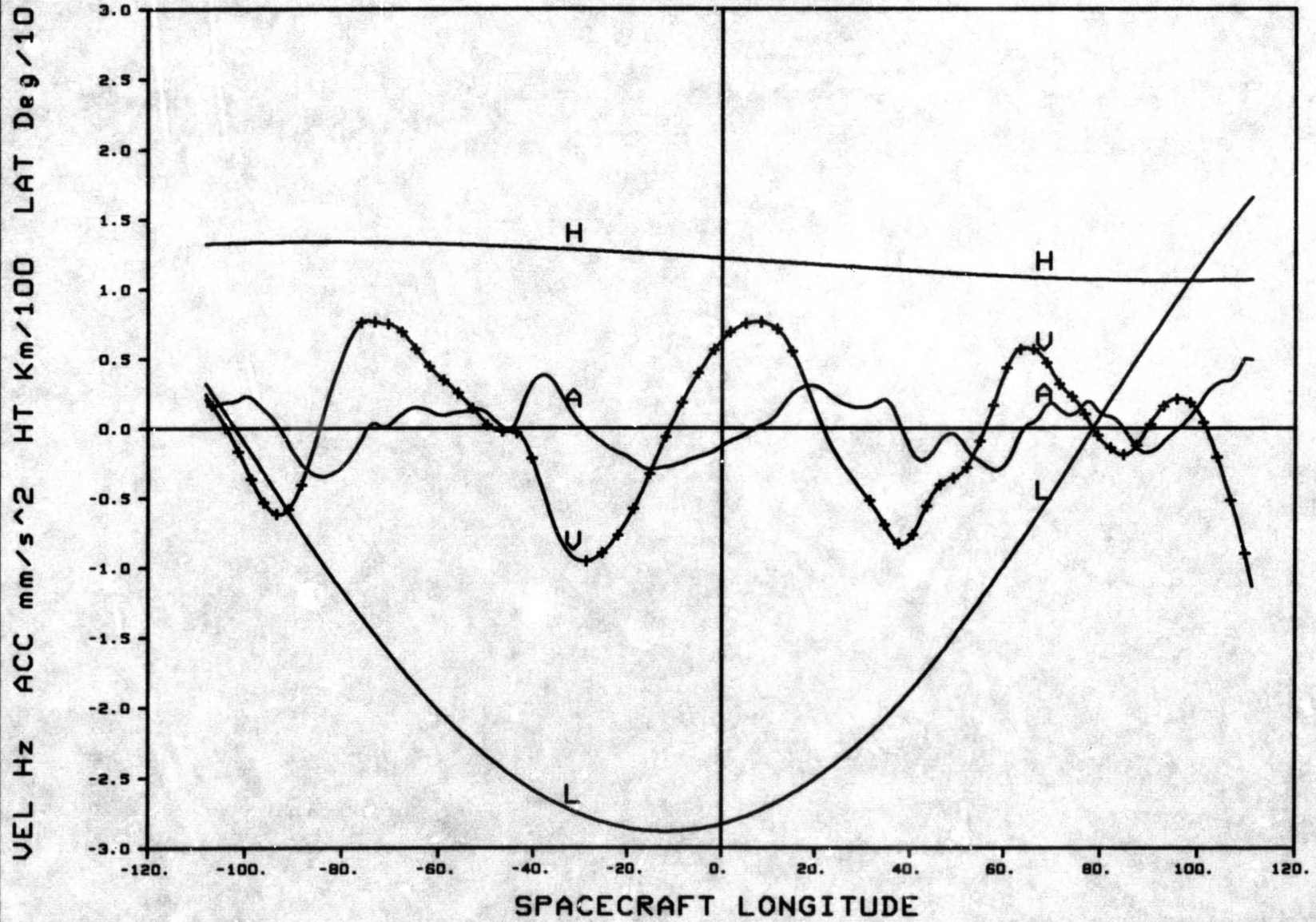
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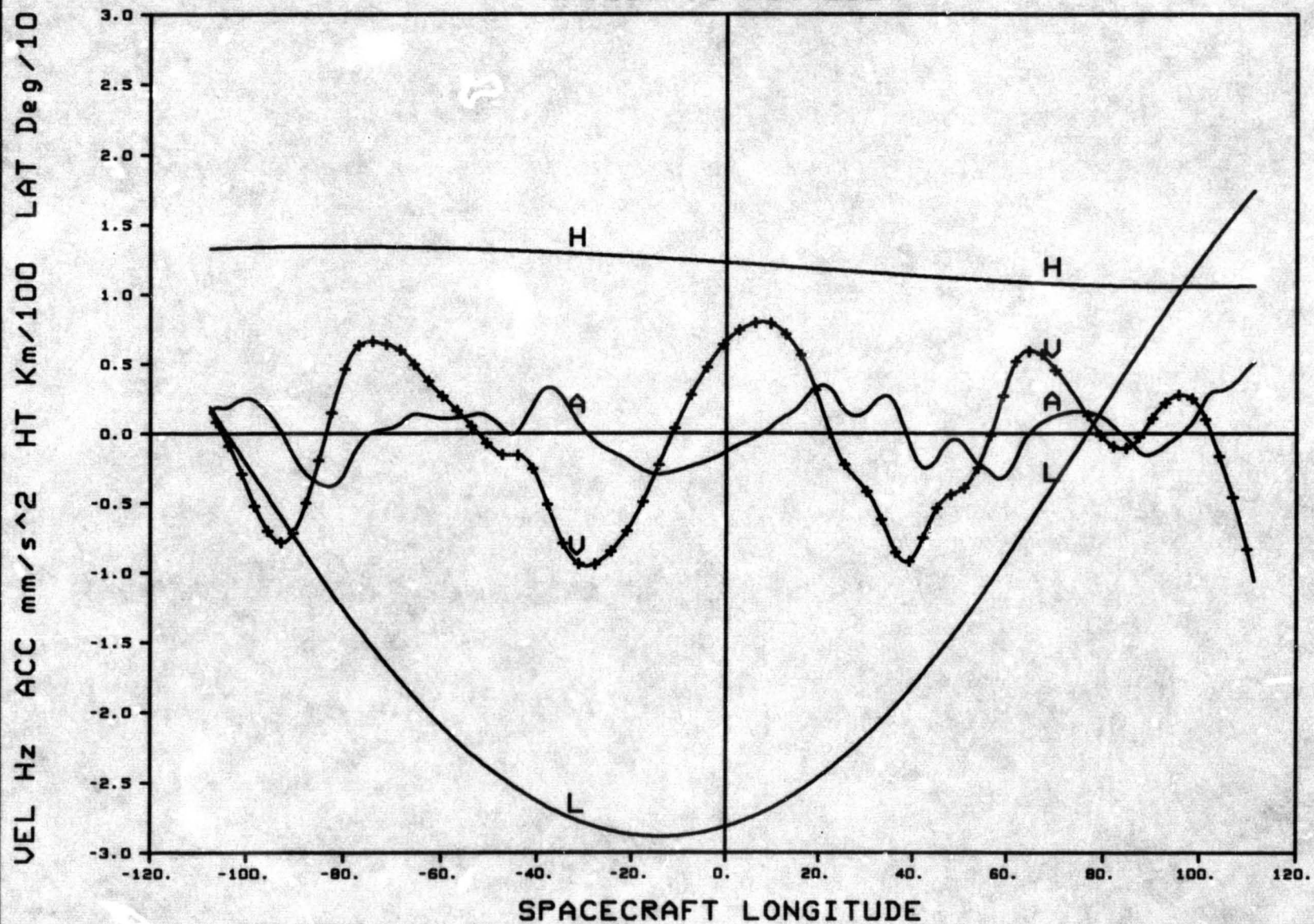
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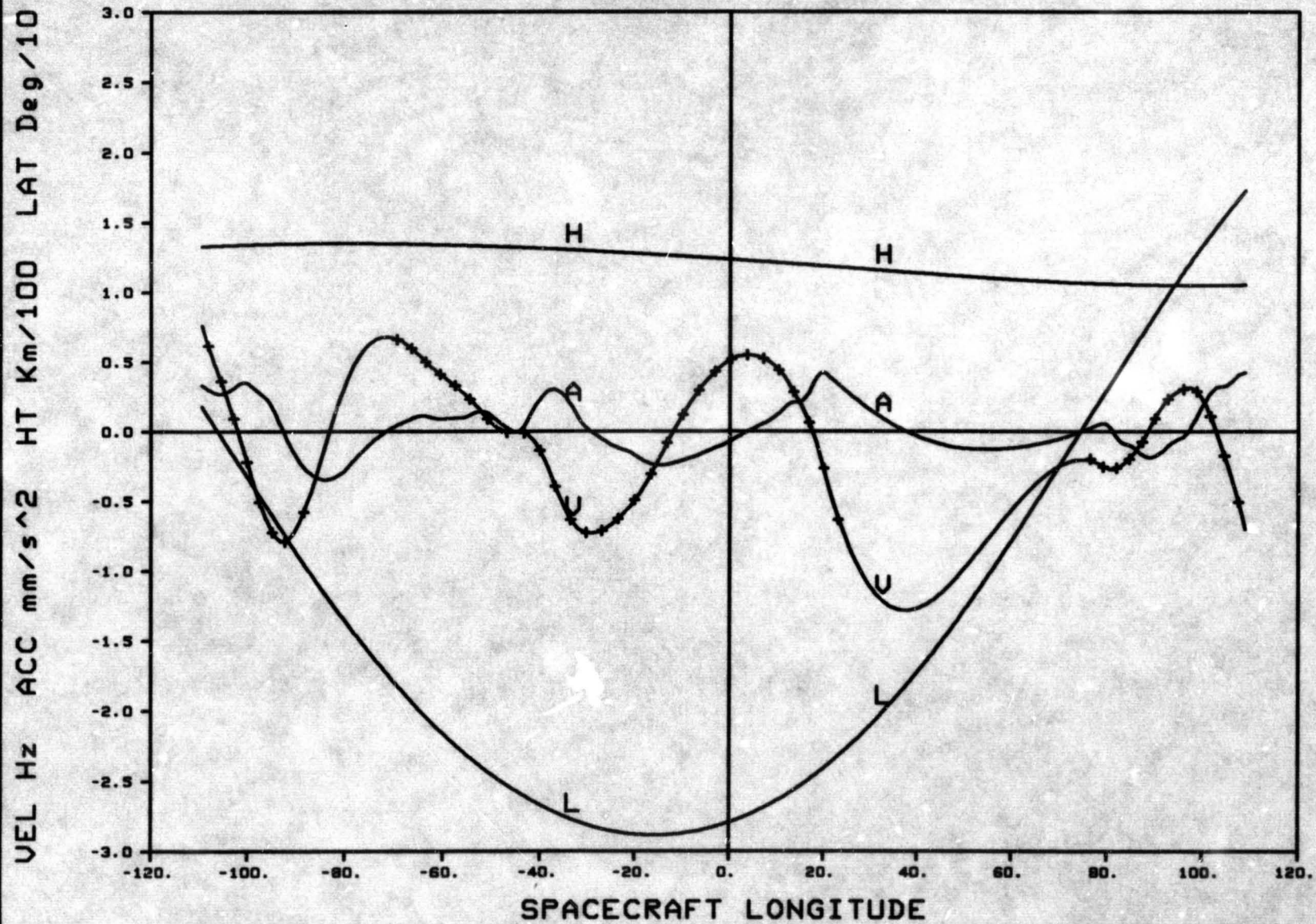
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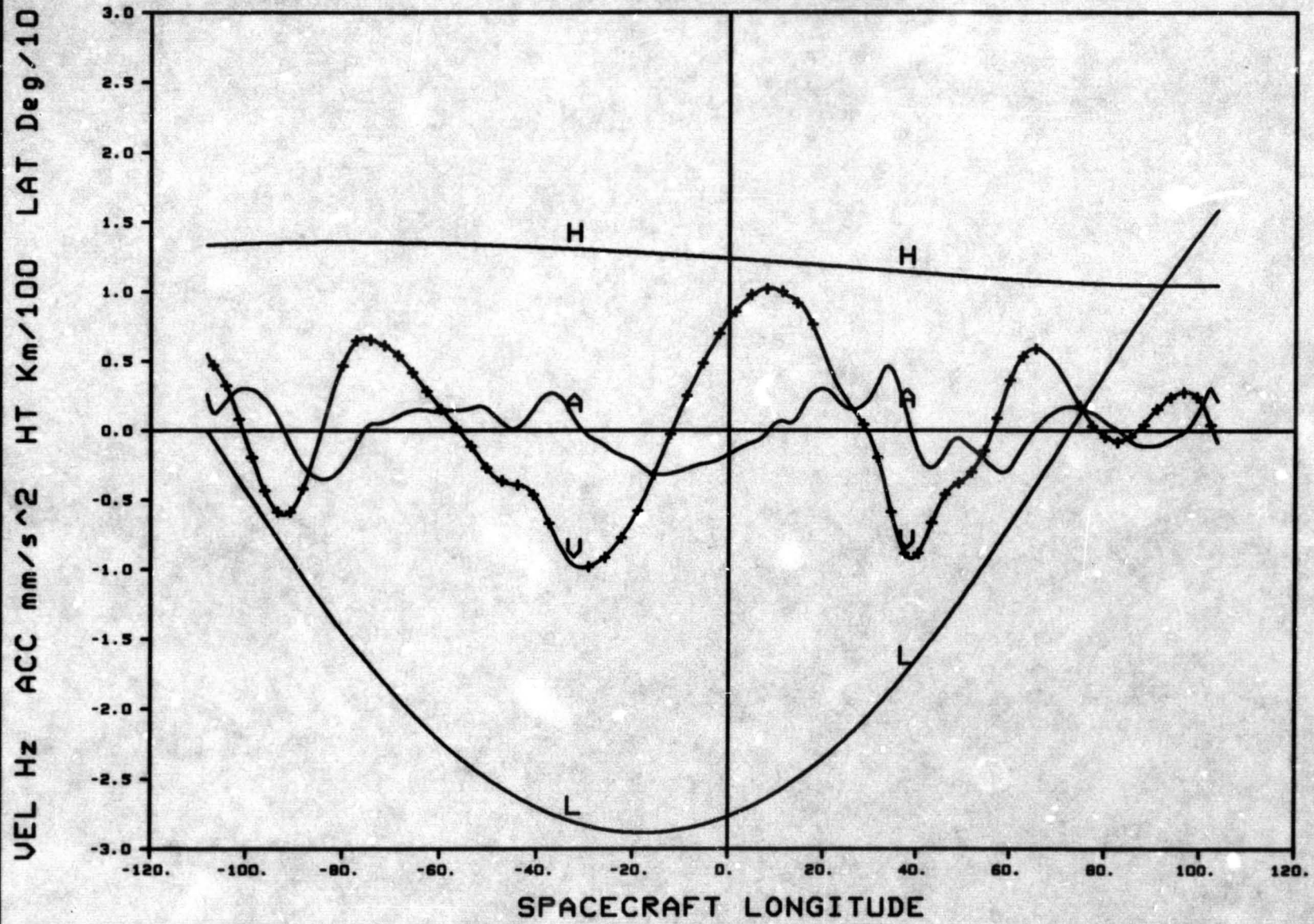
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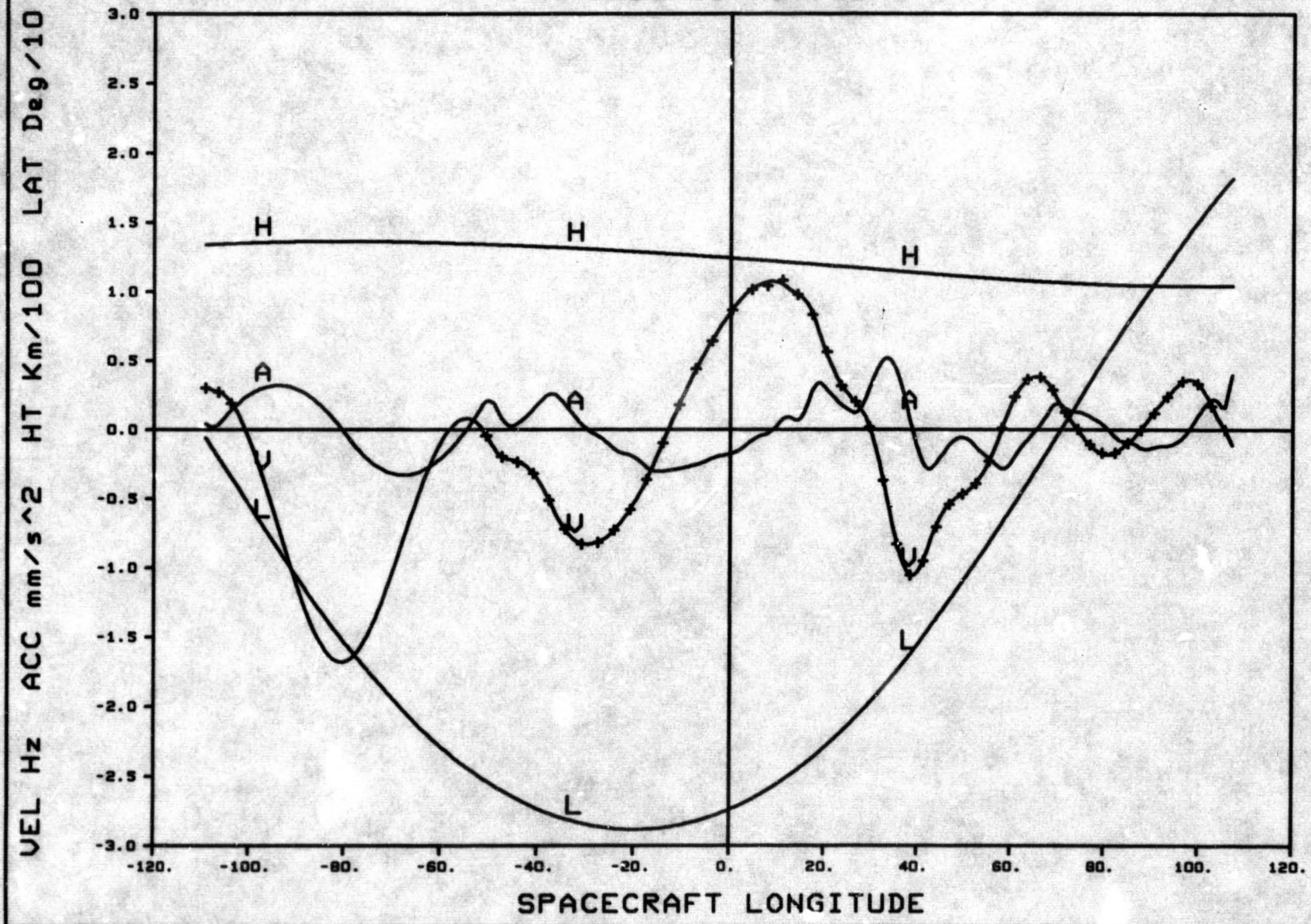
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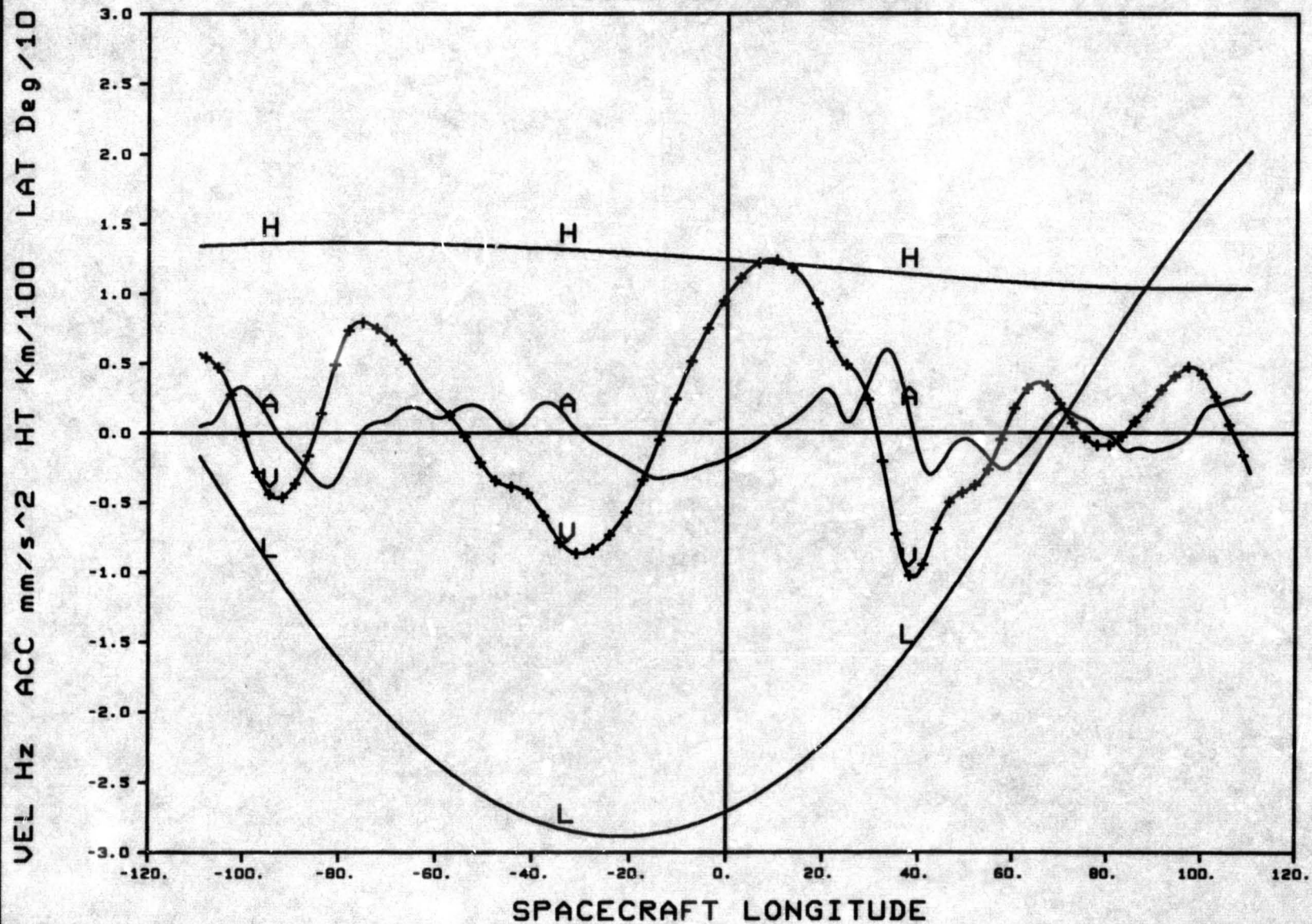
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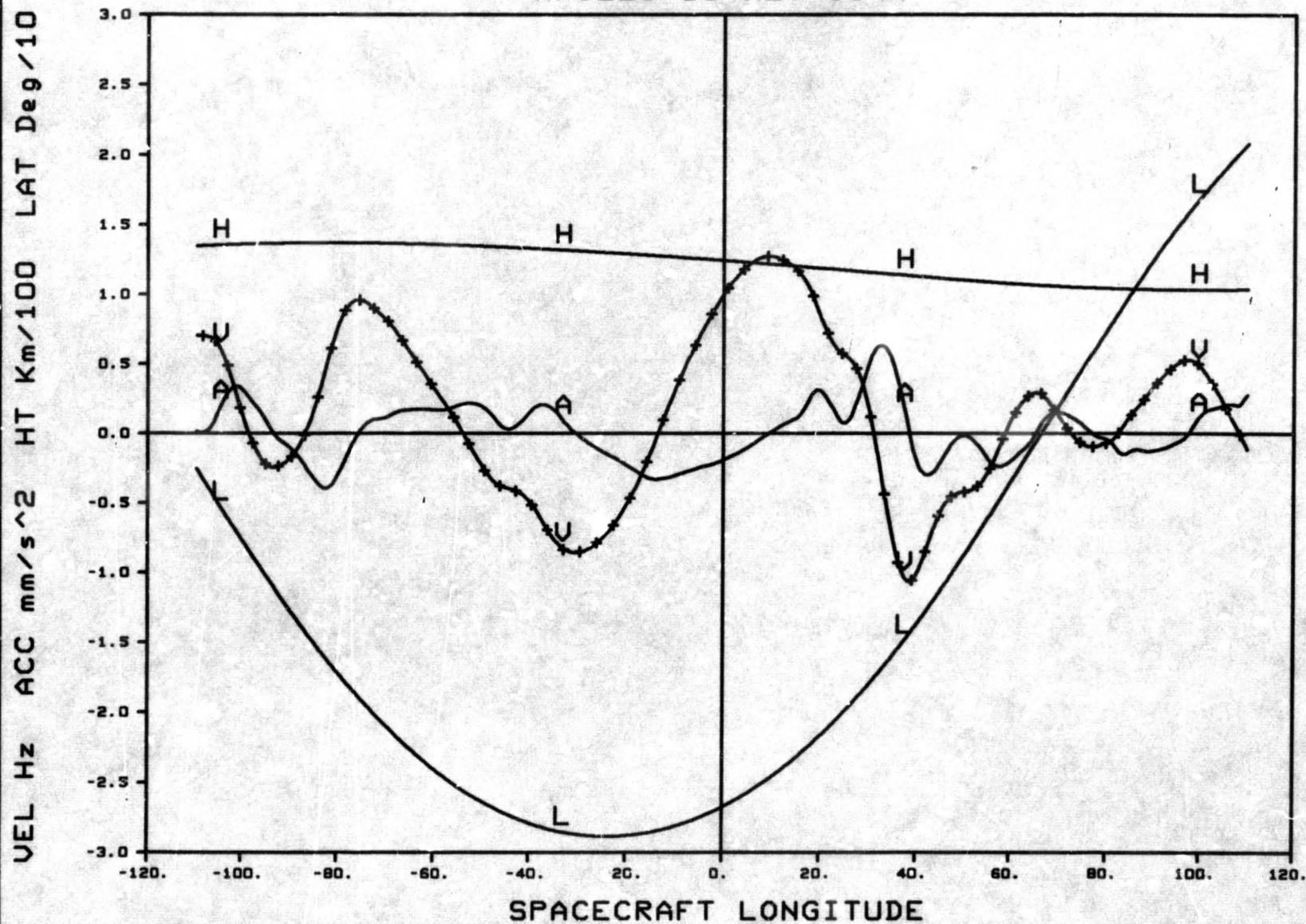
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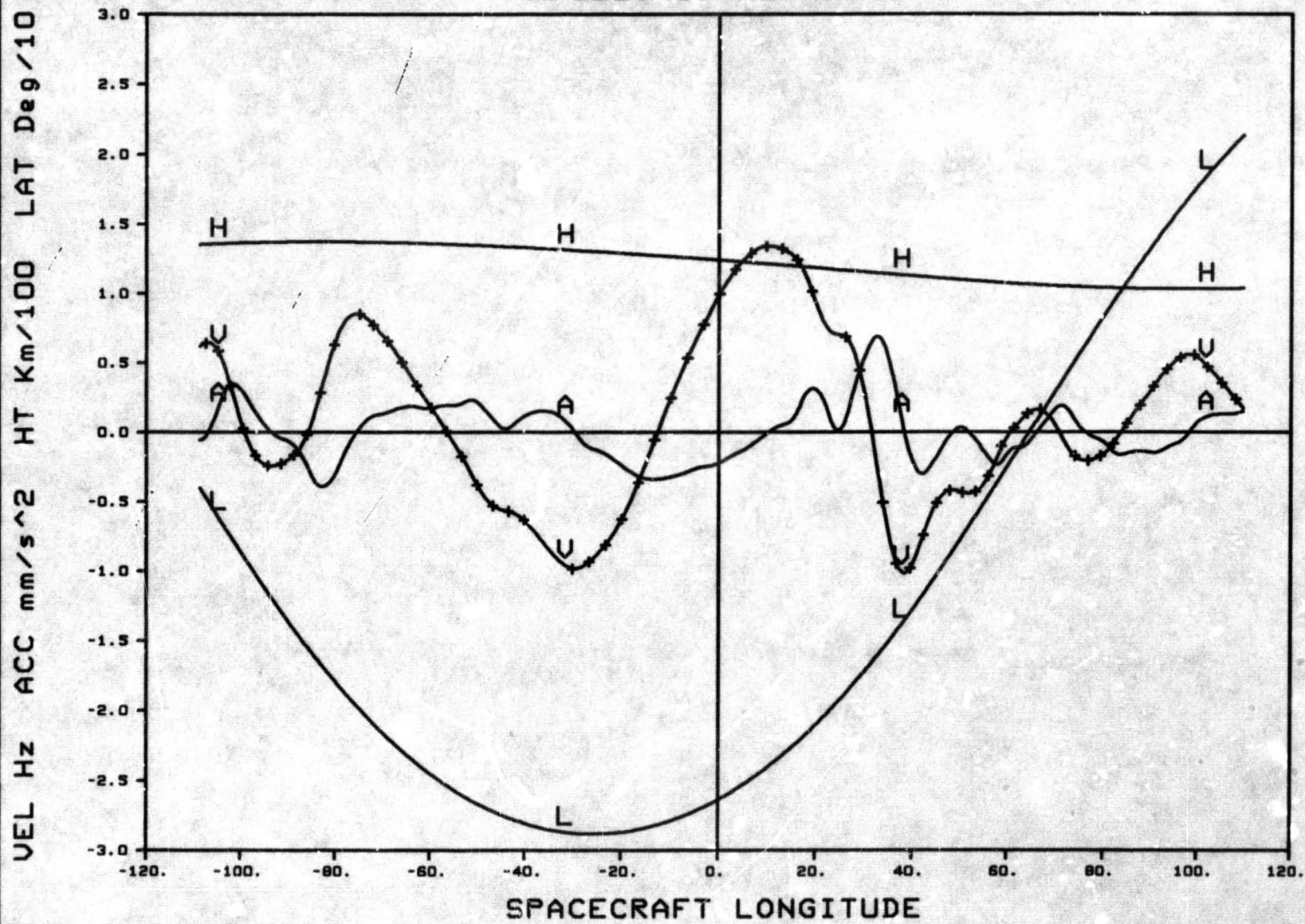
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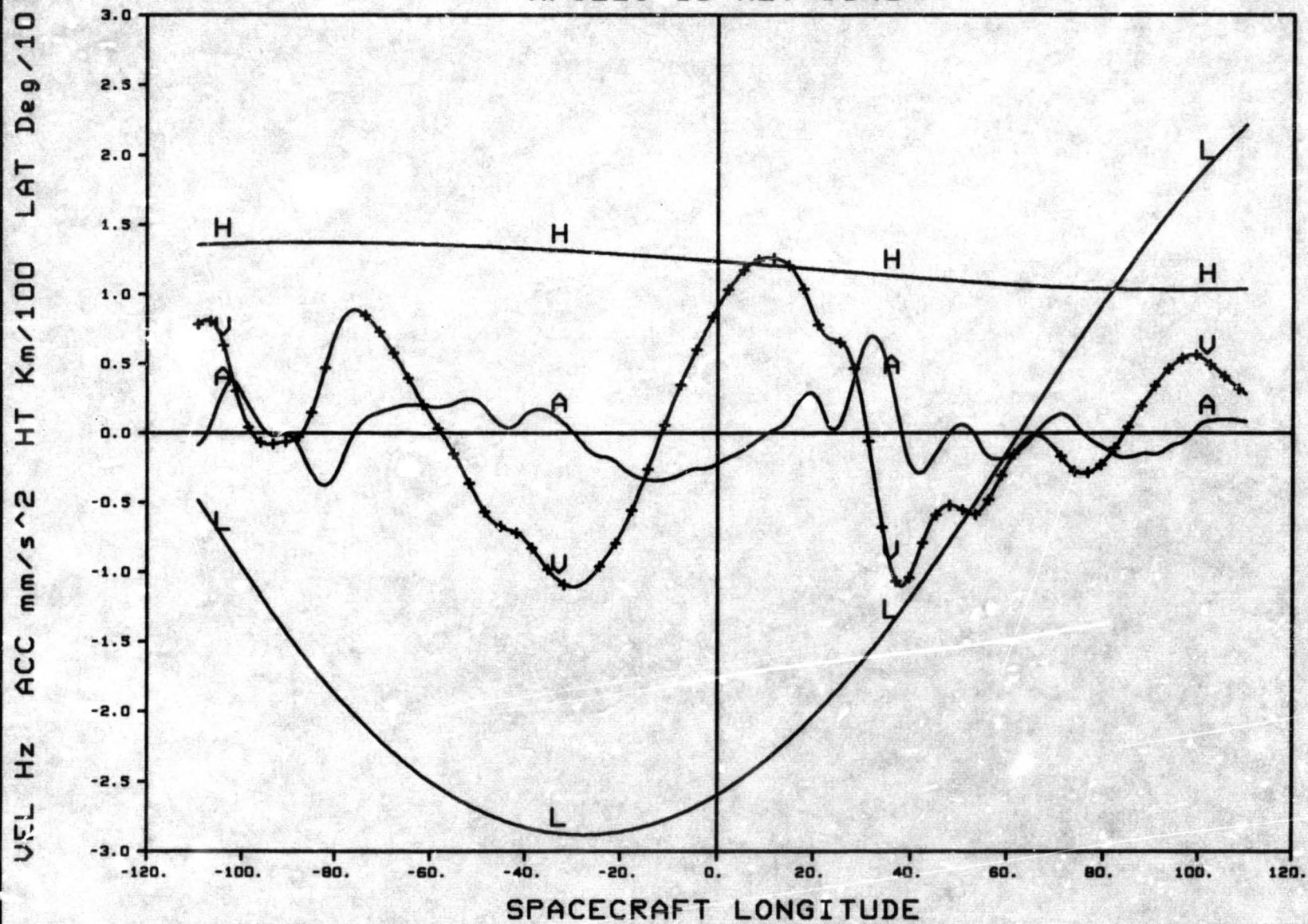
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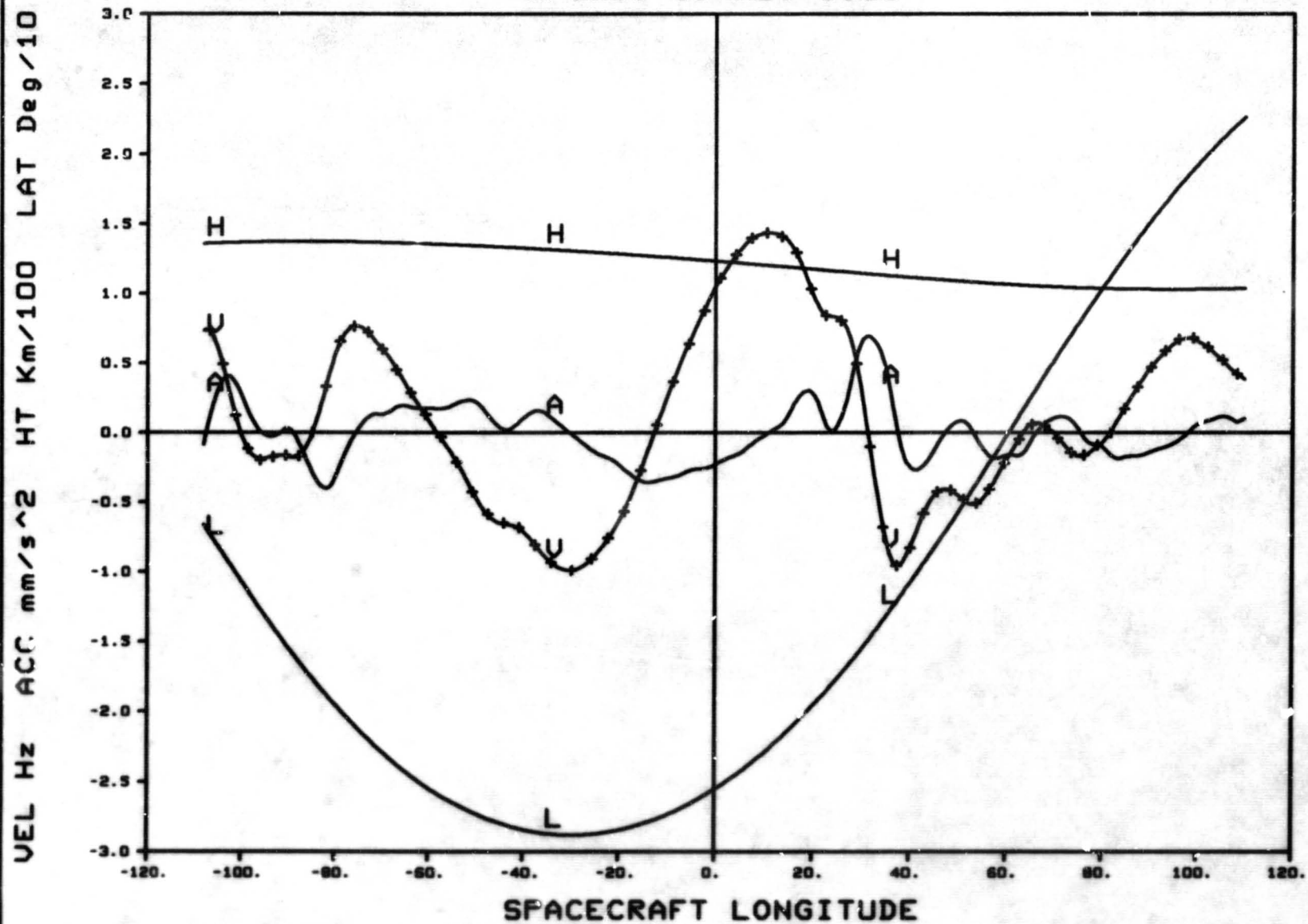
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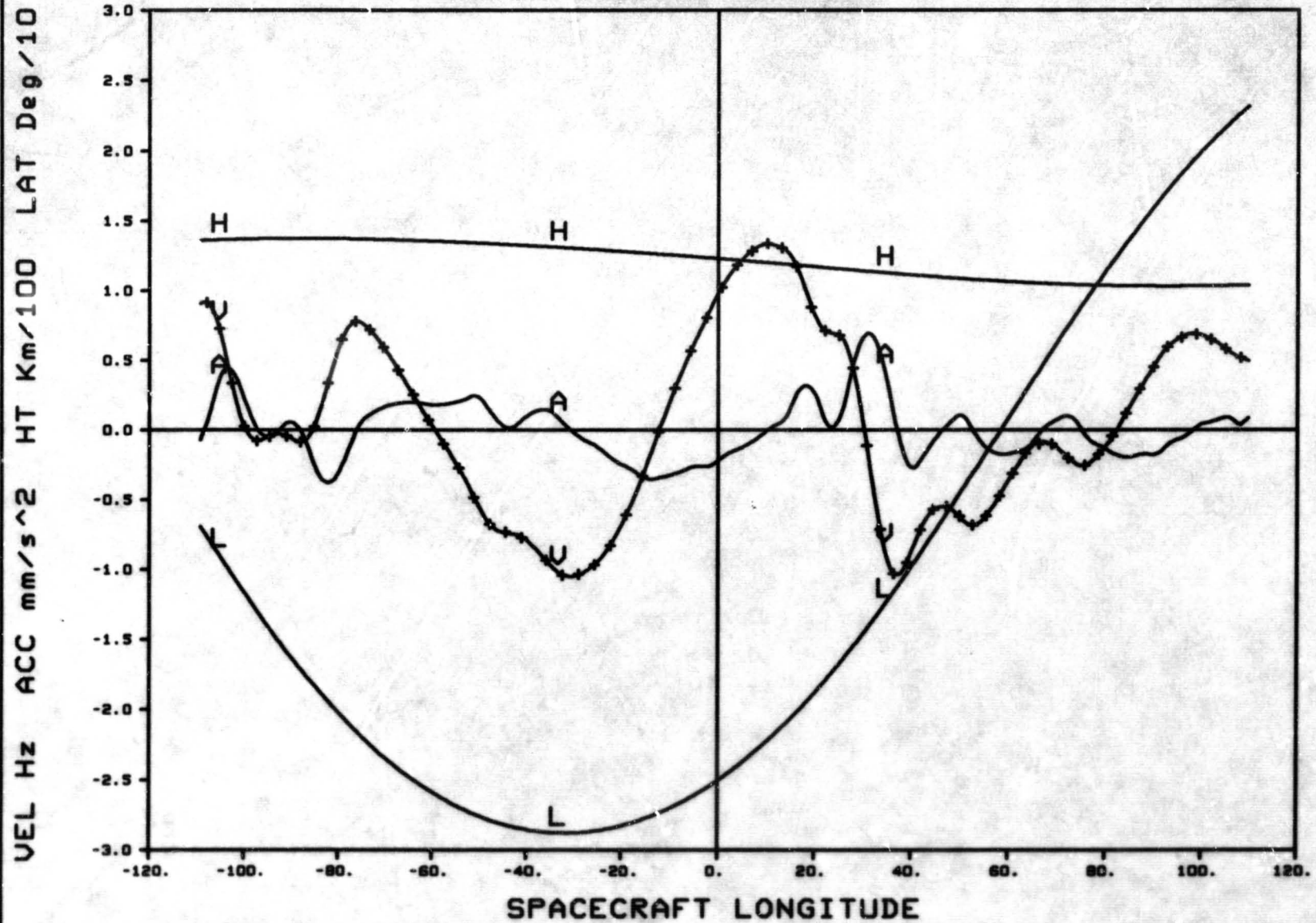
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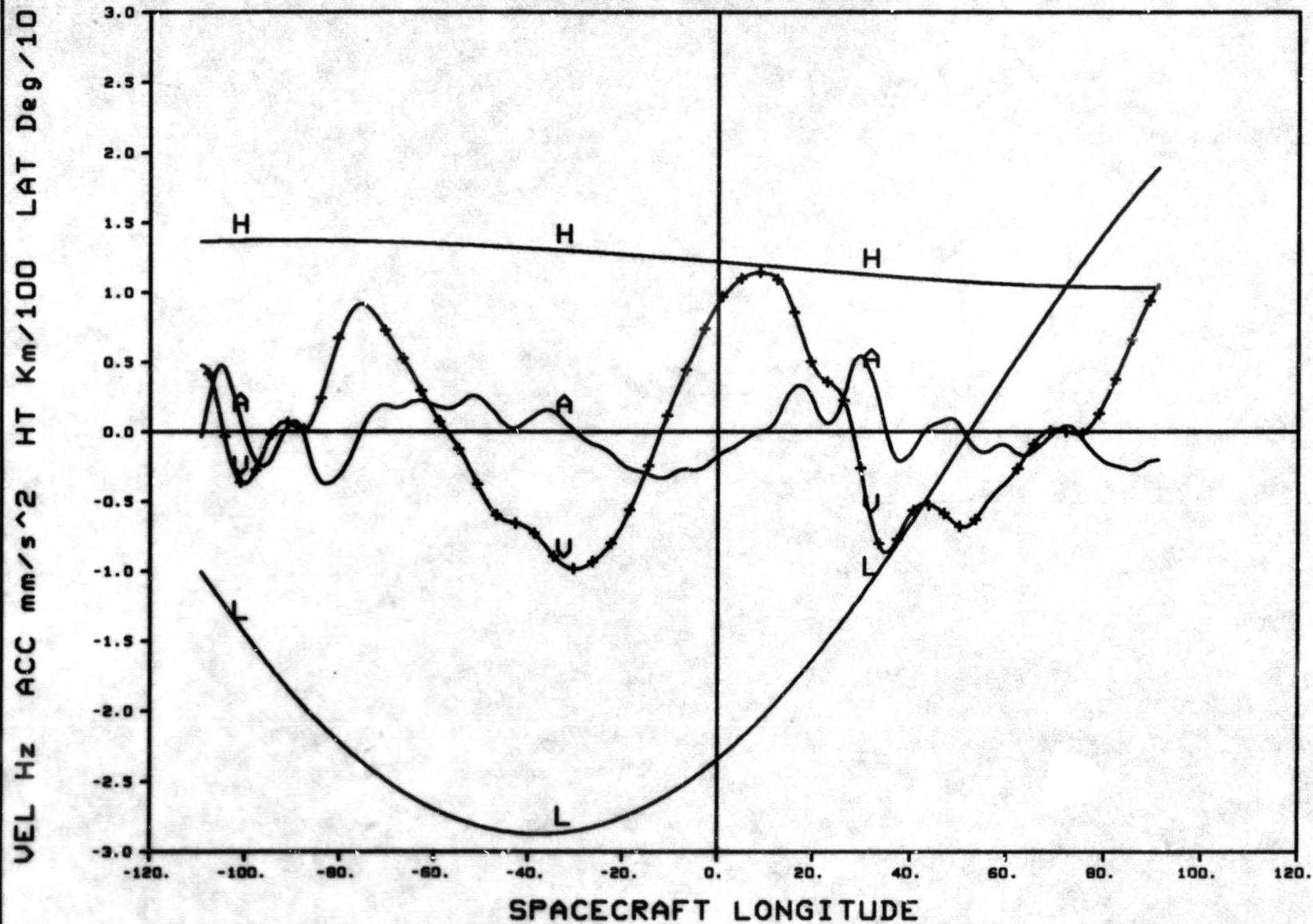
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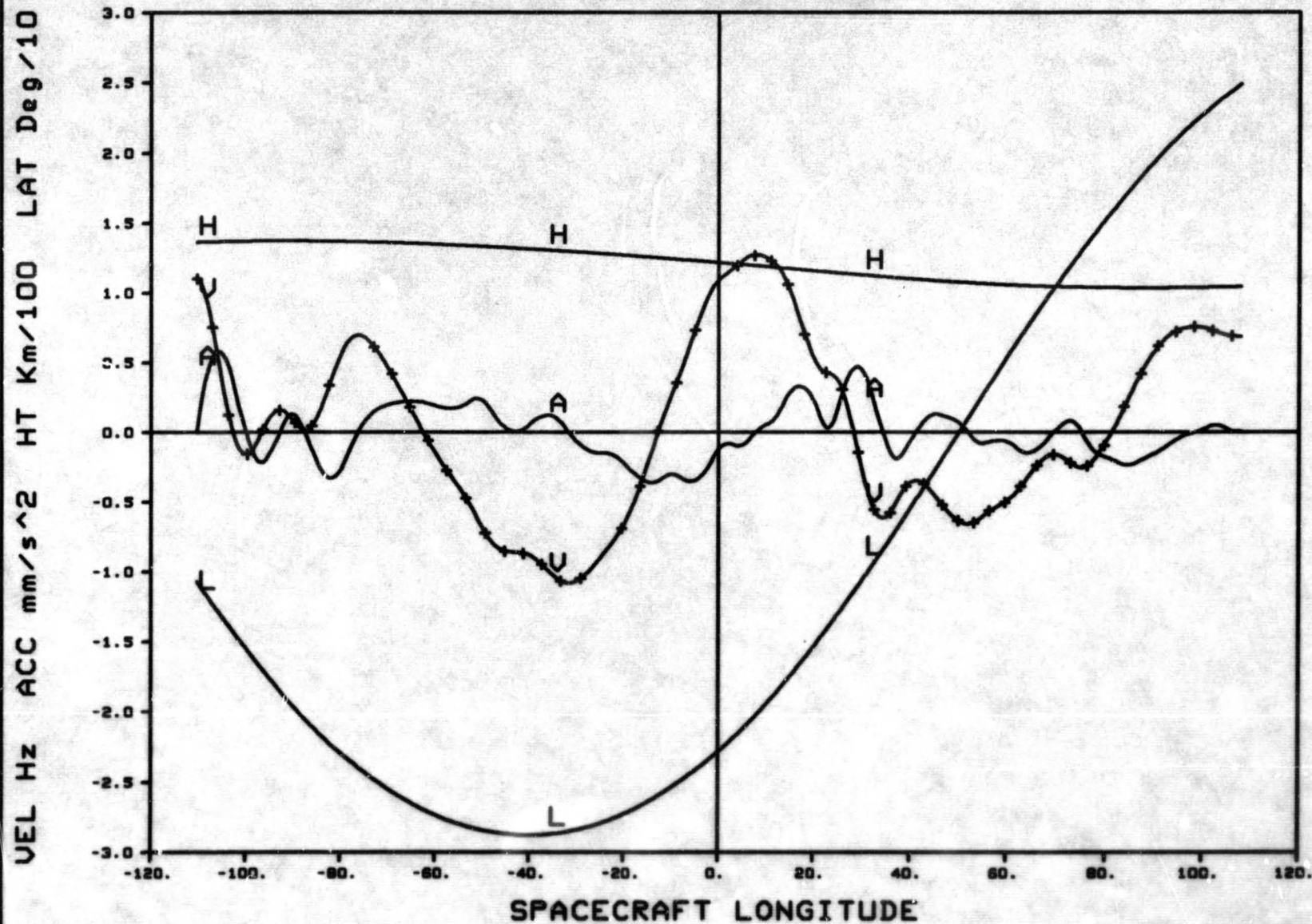
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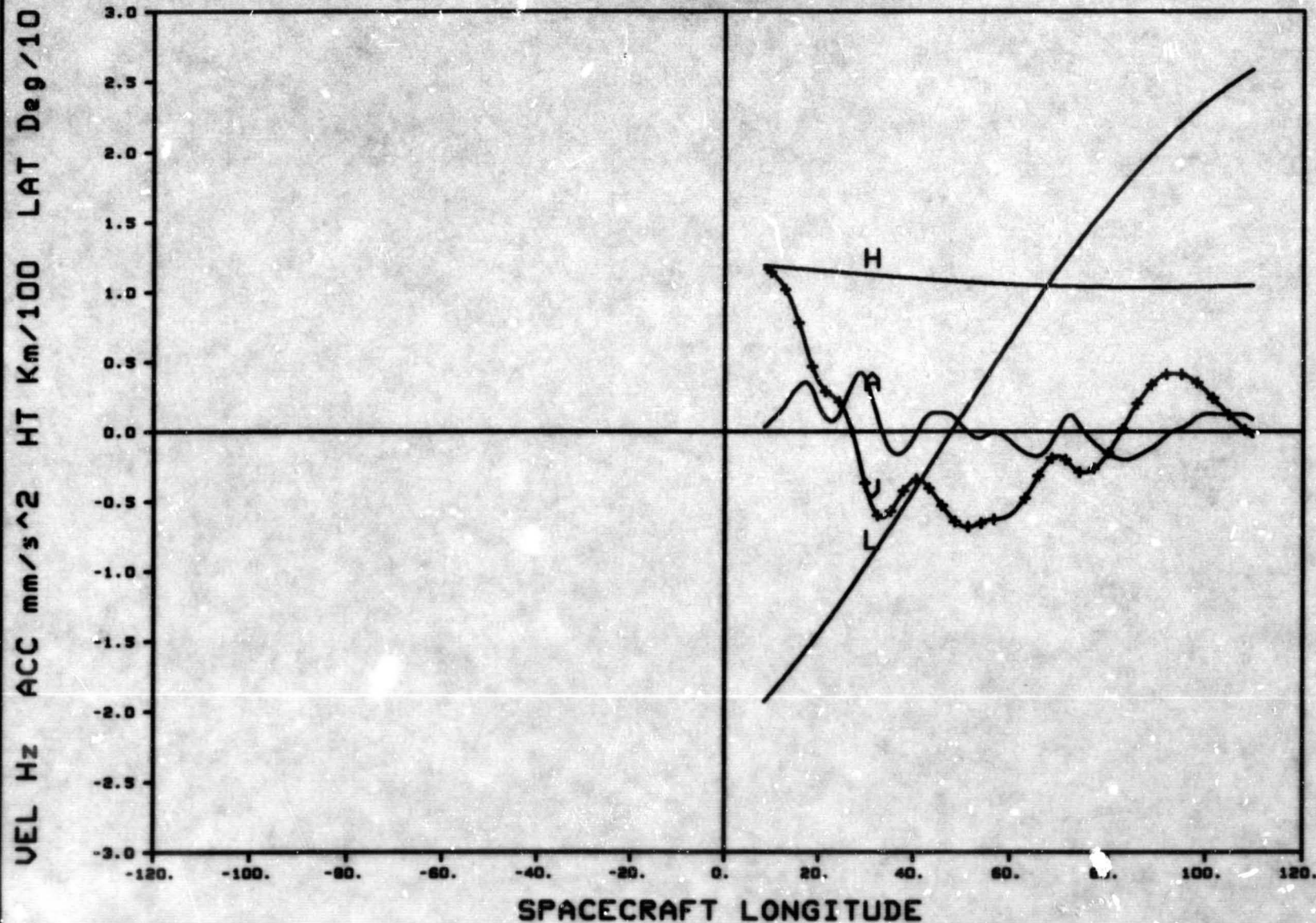
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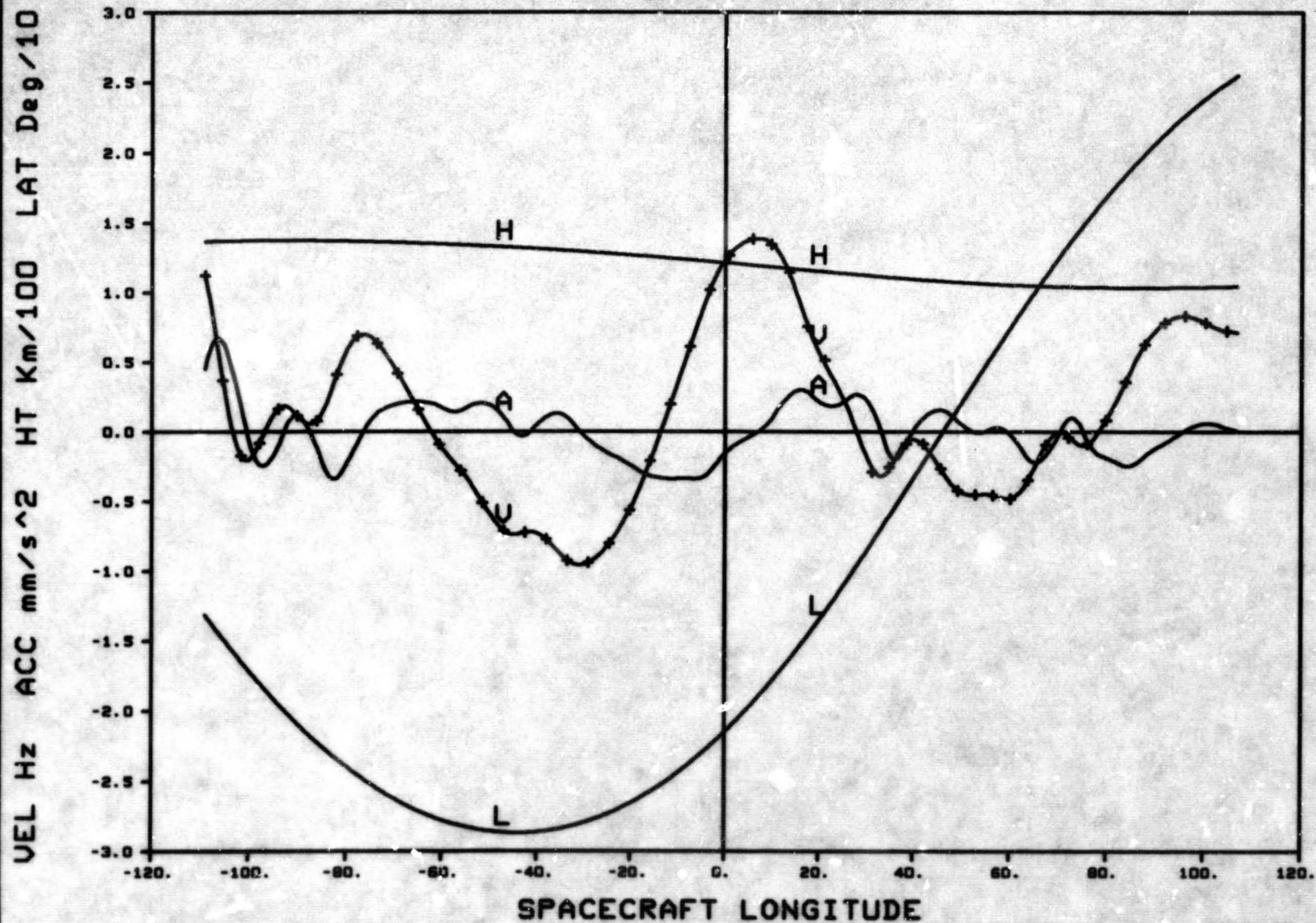
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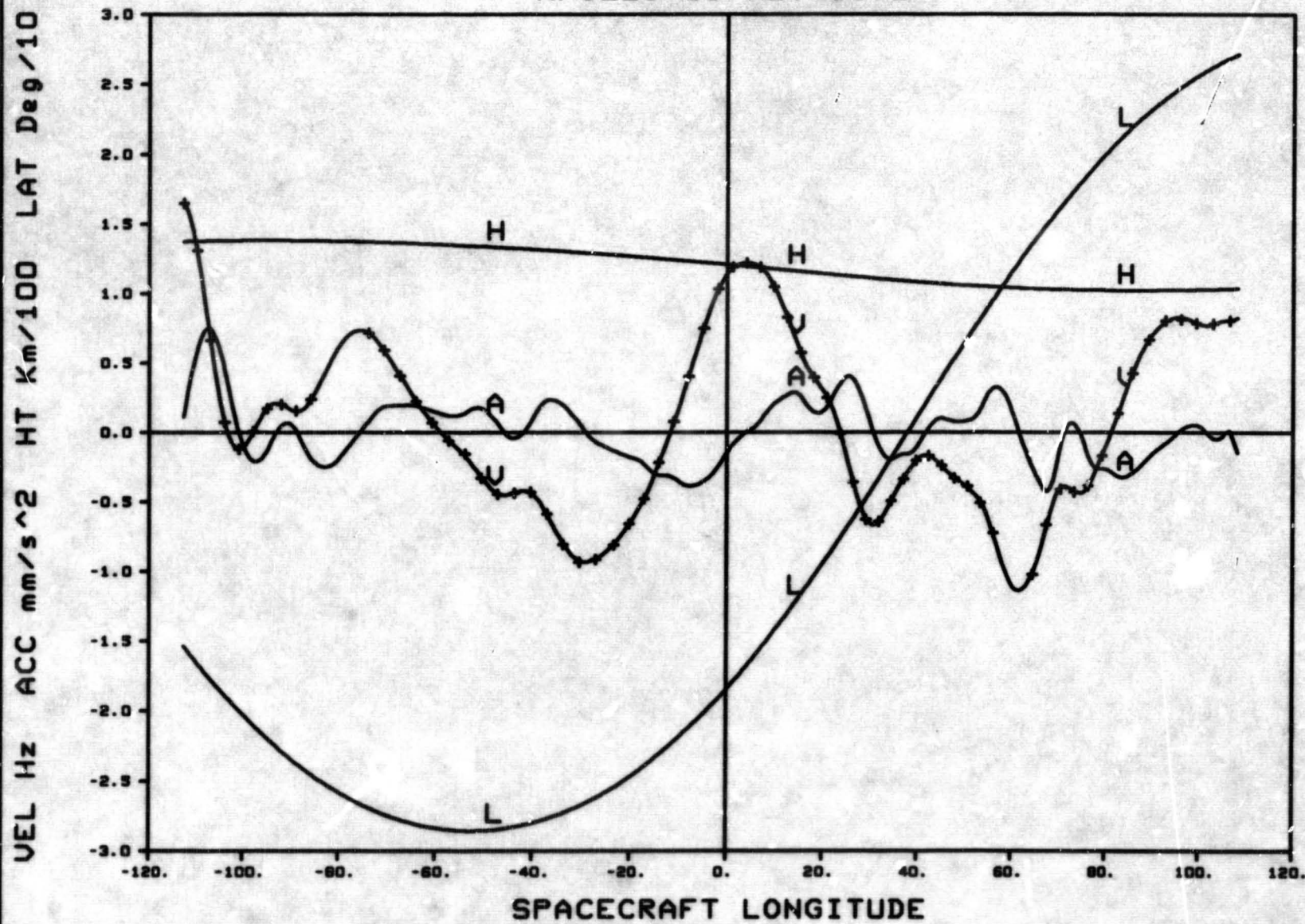
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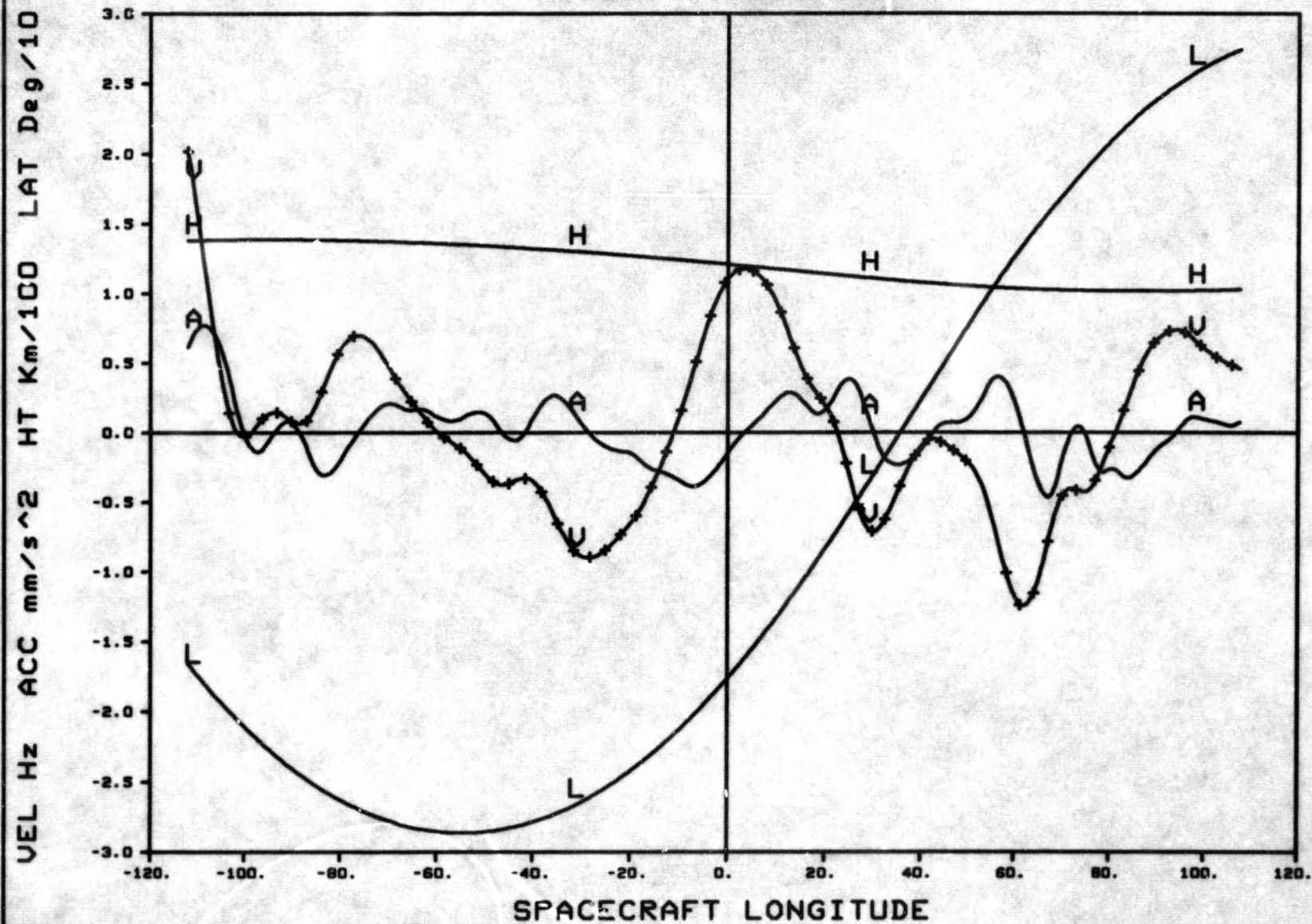
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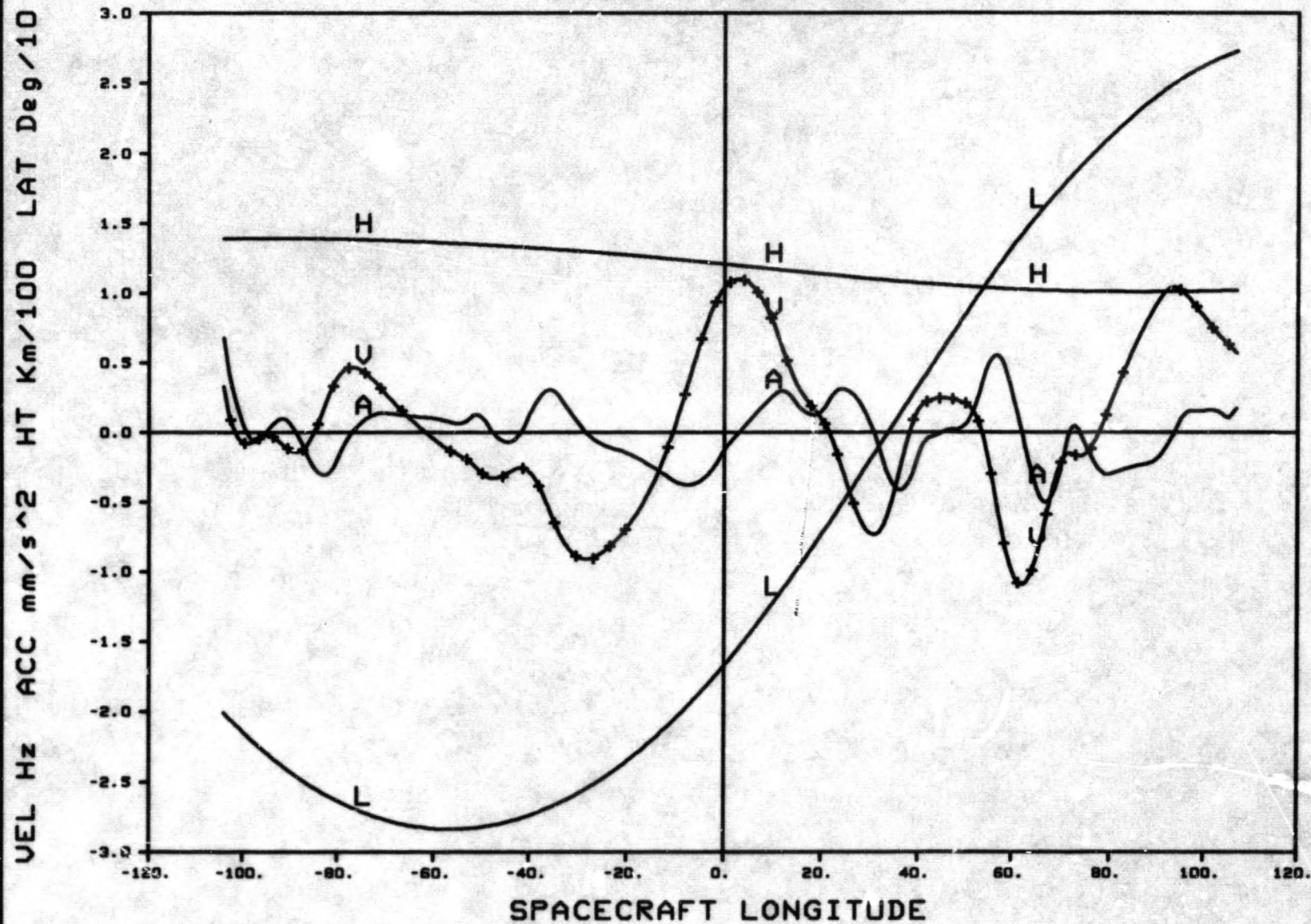
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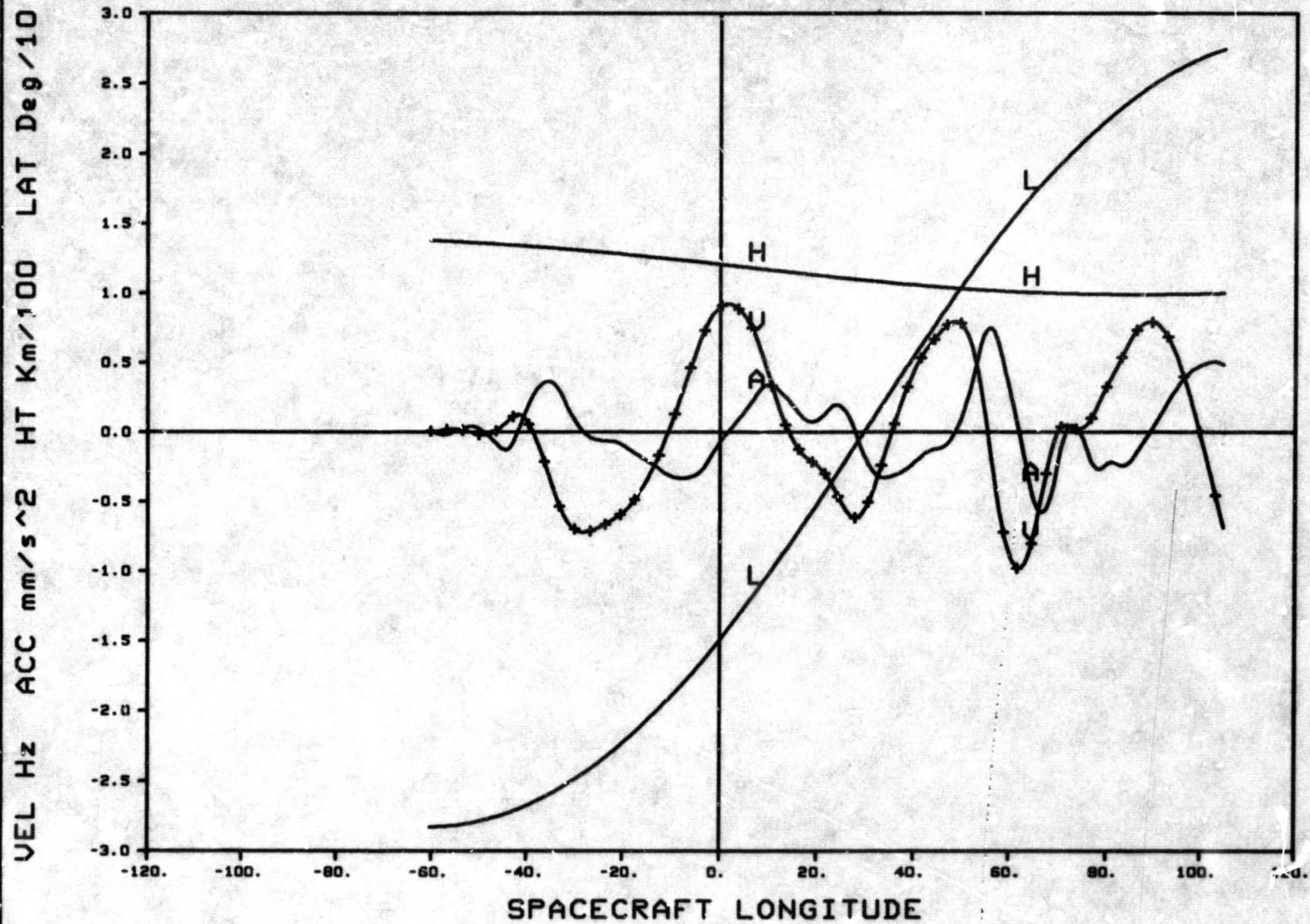
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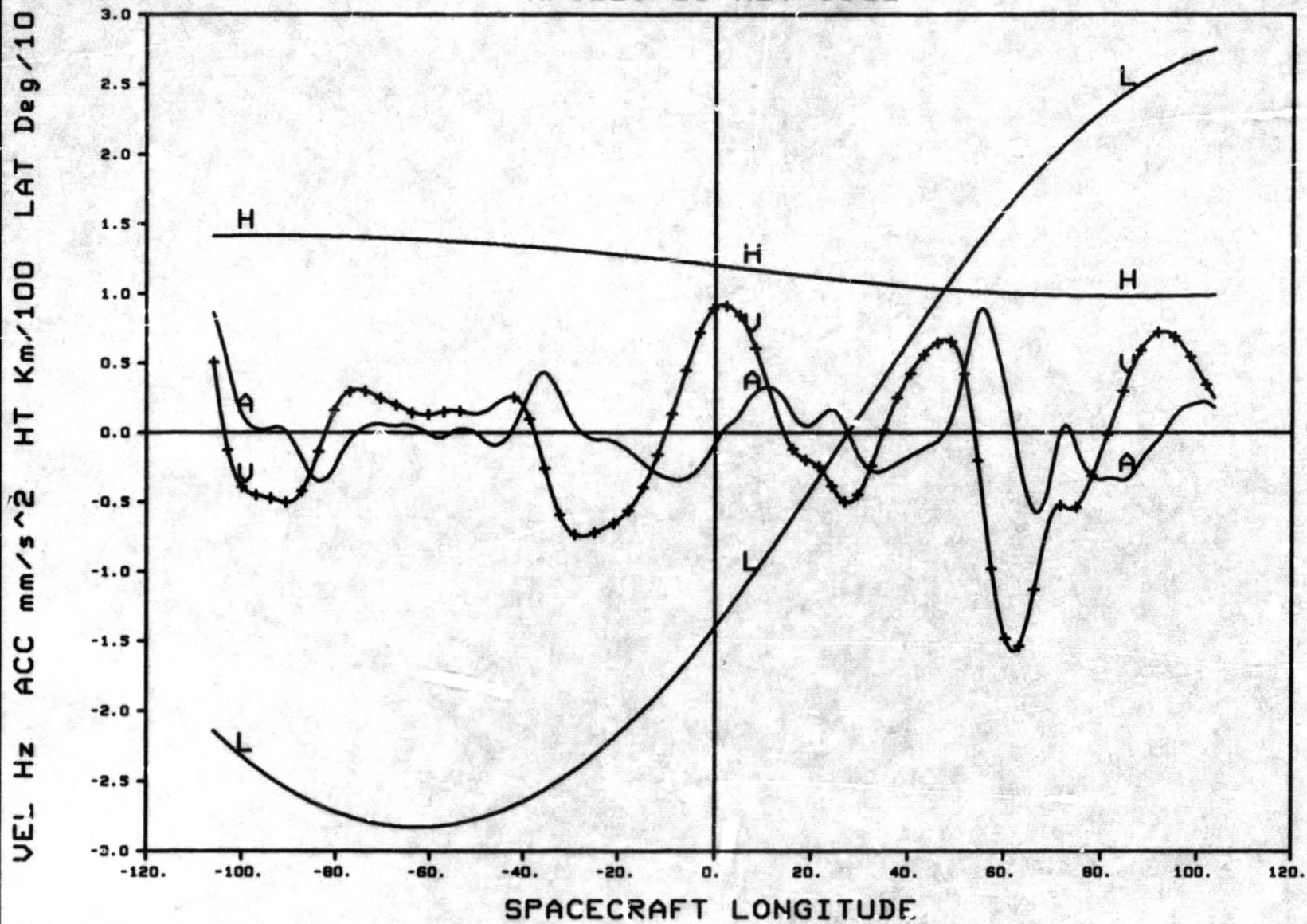
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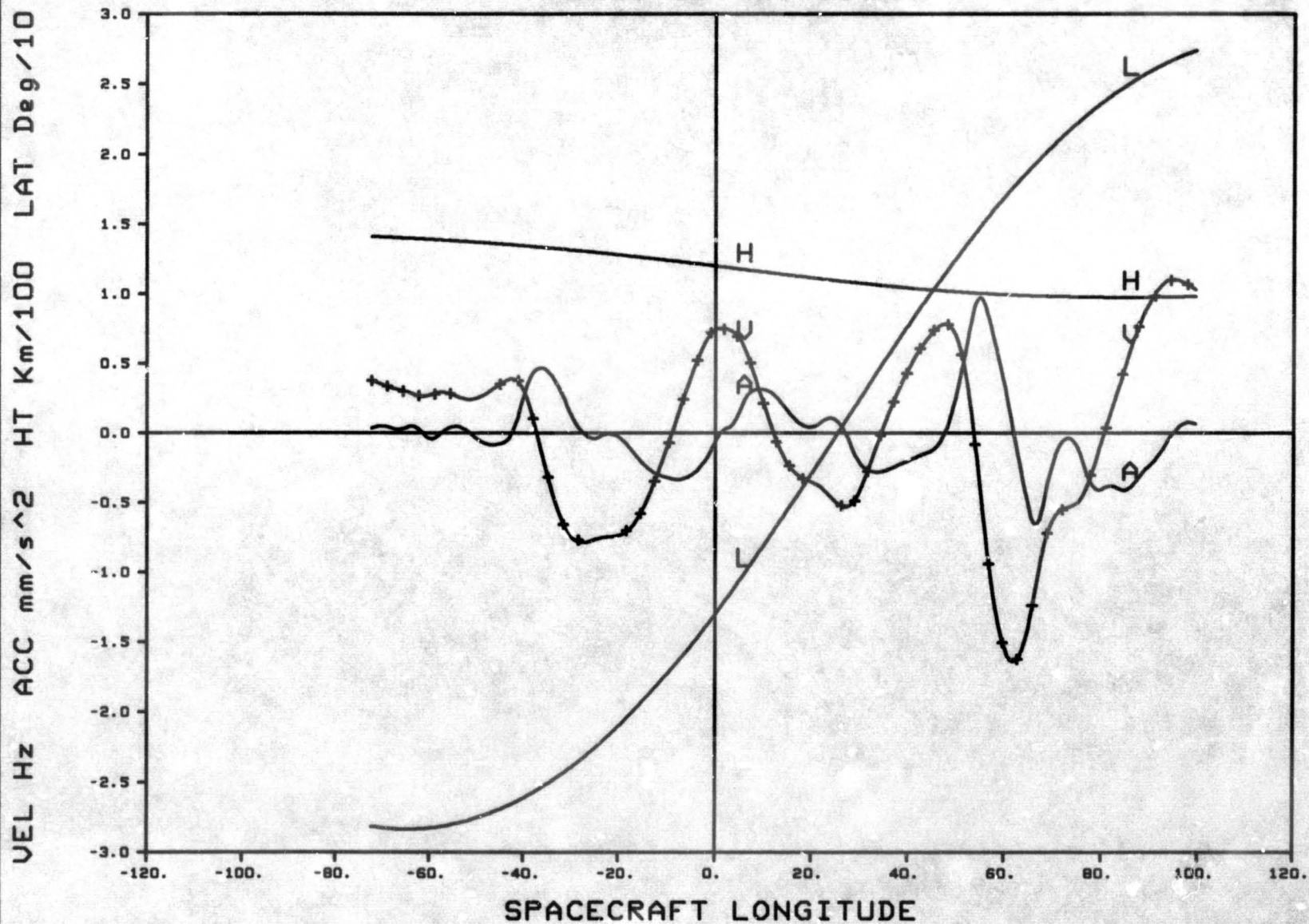
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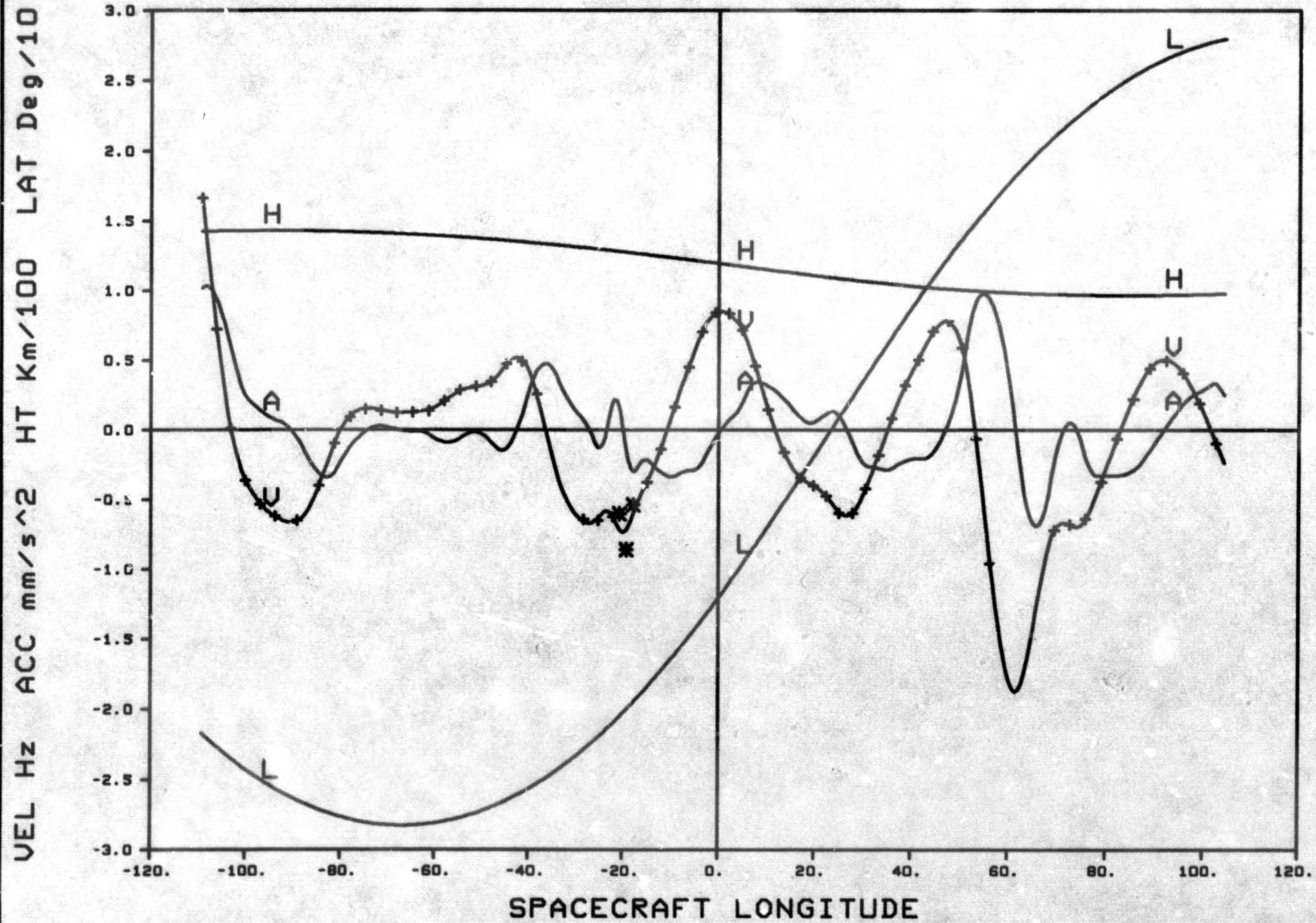
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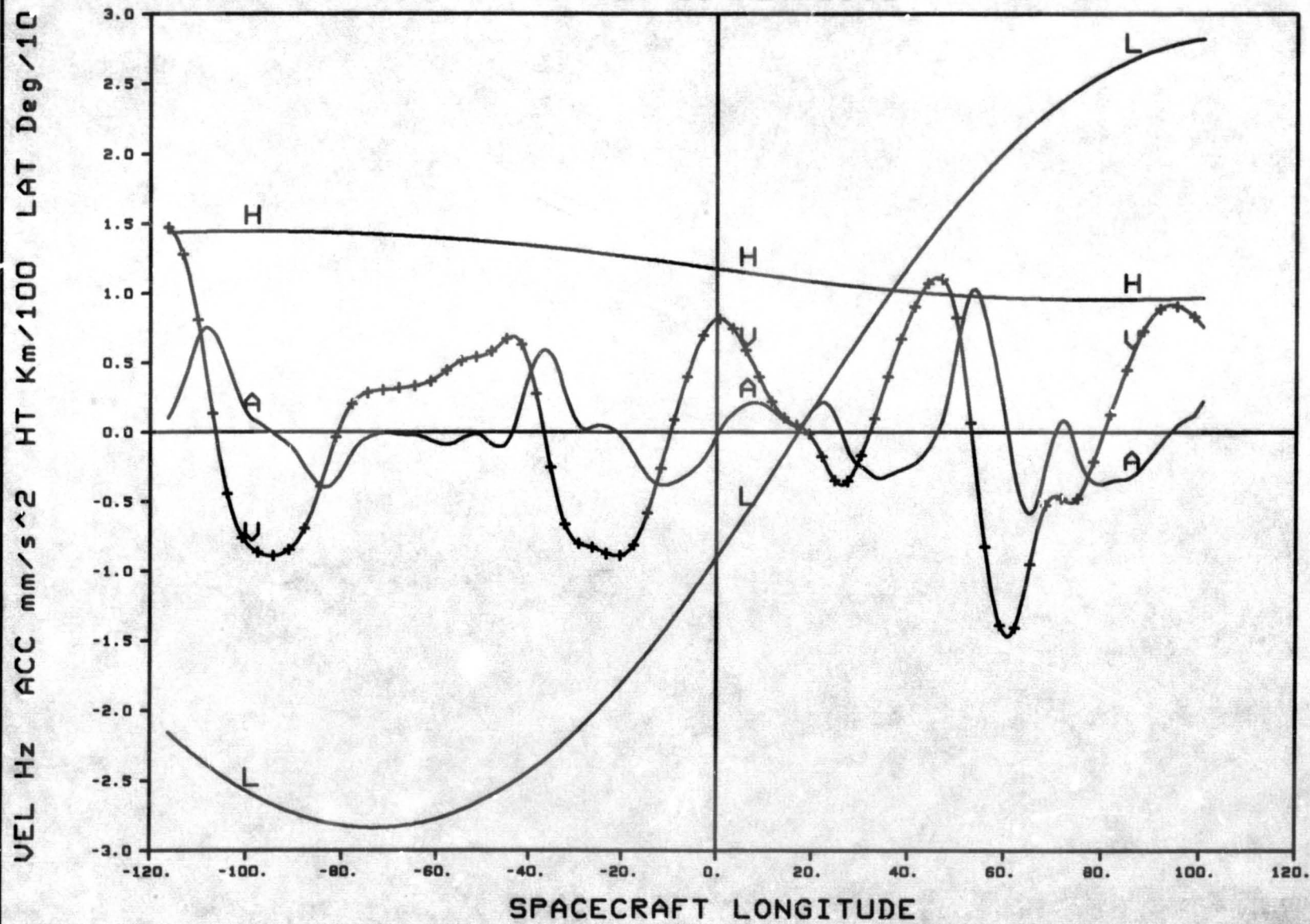
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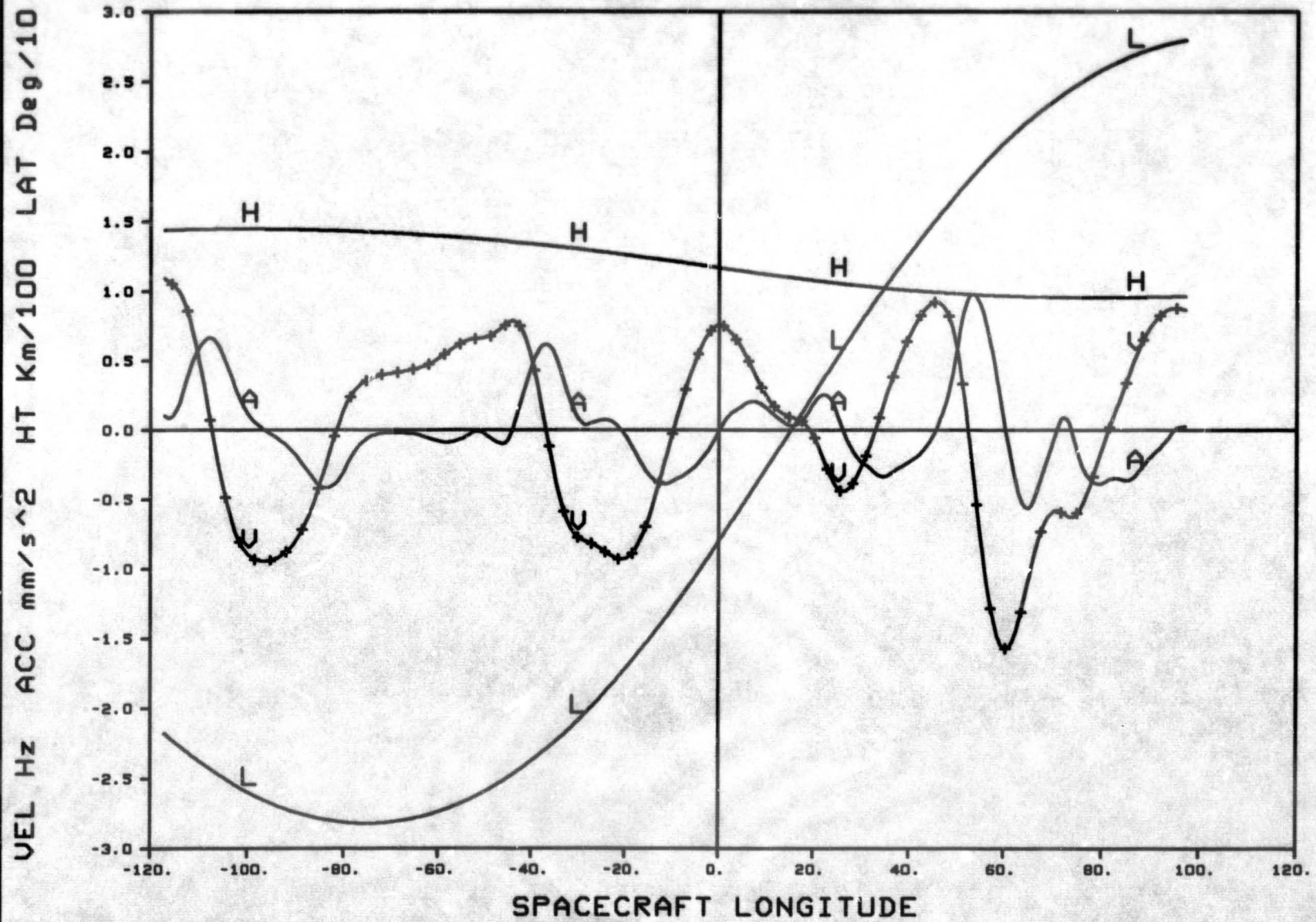
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APOLLO 15 REV 5592

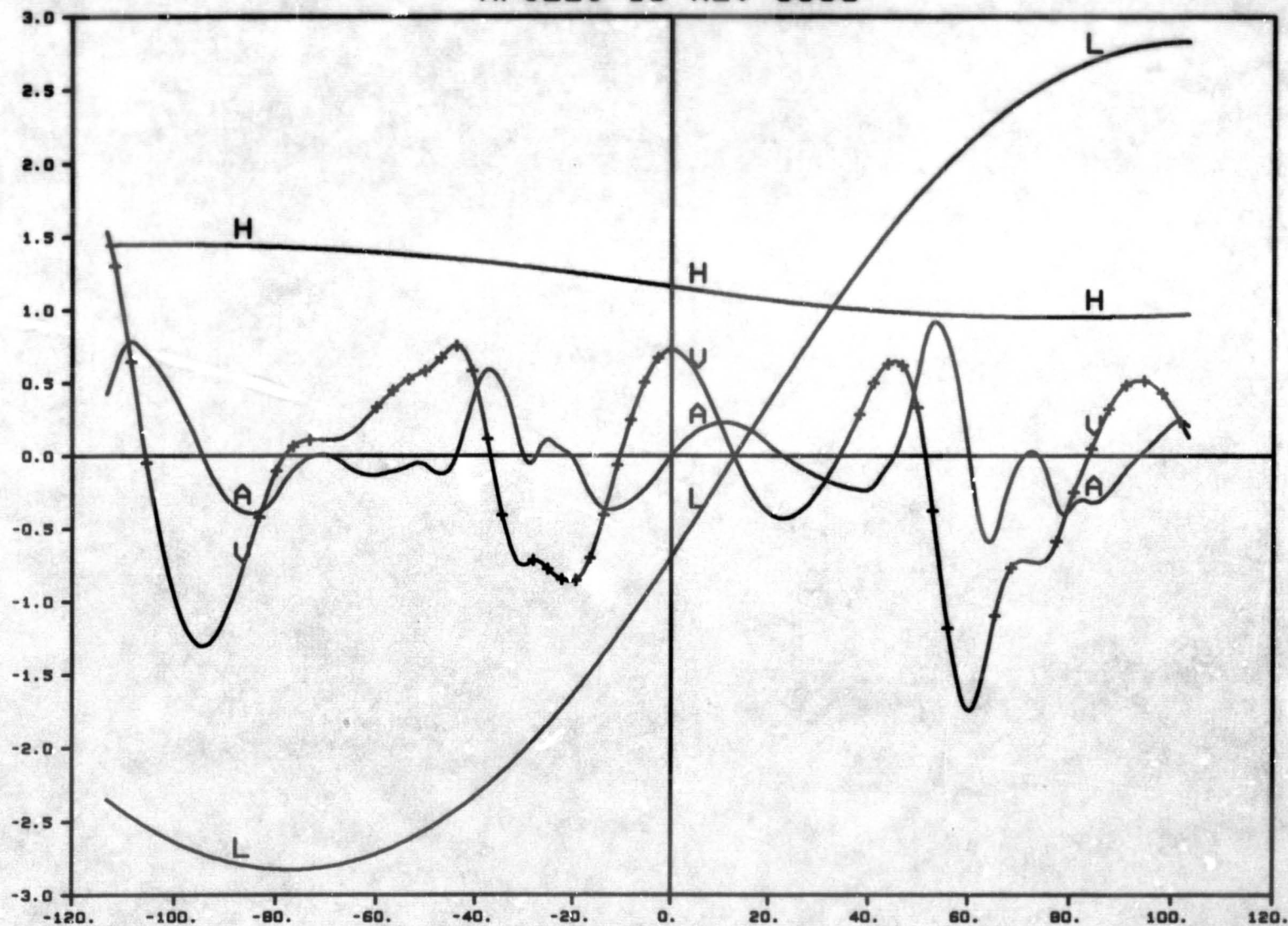


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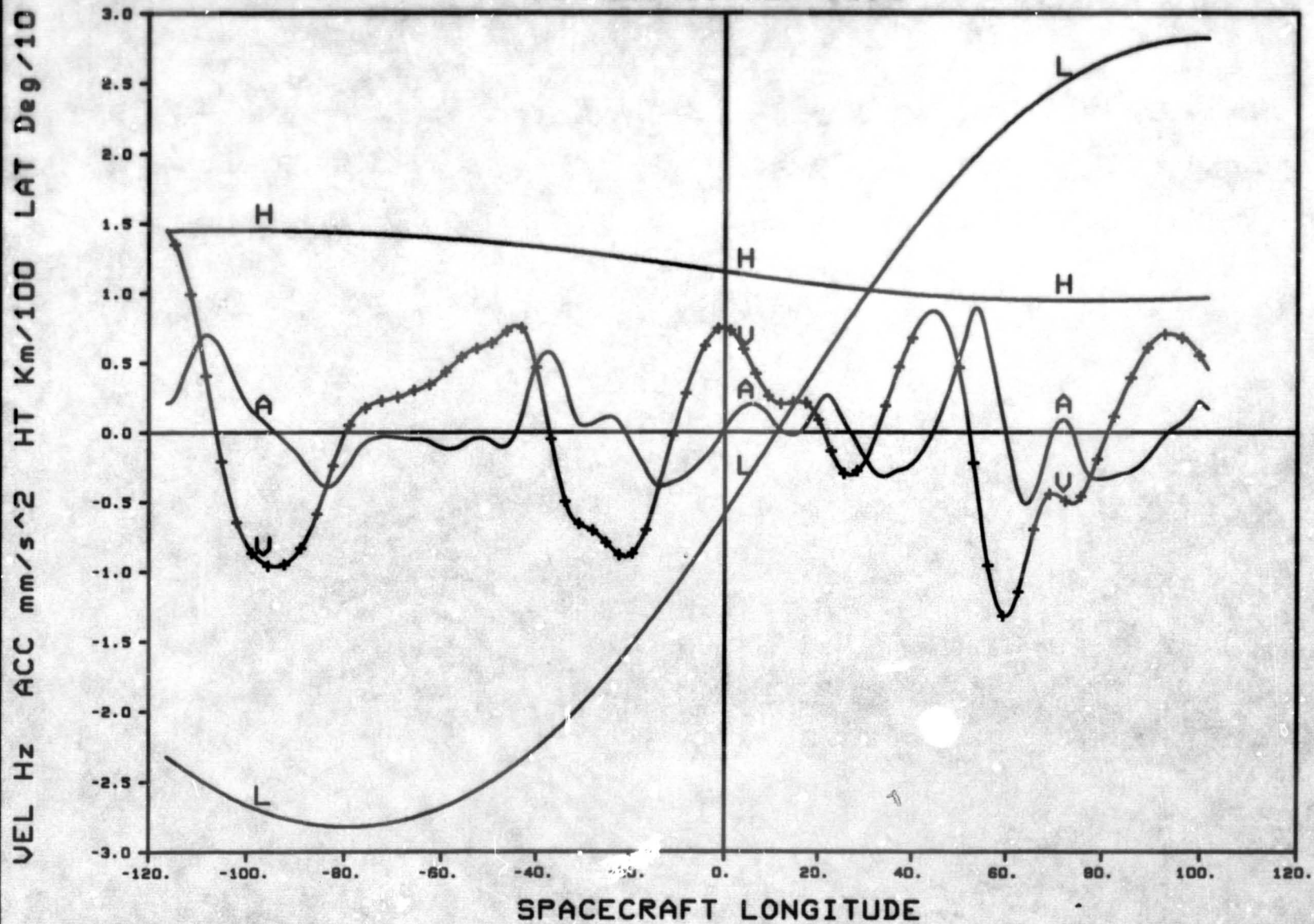
APOLLO 15 REV 5596

VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



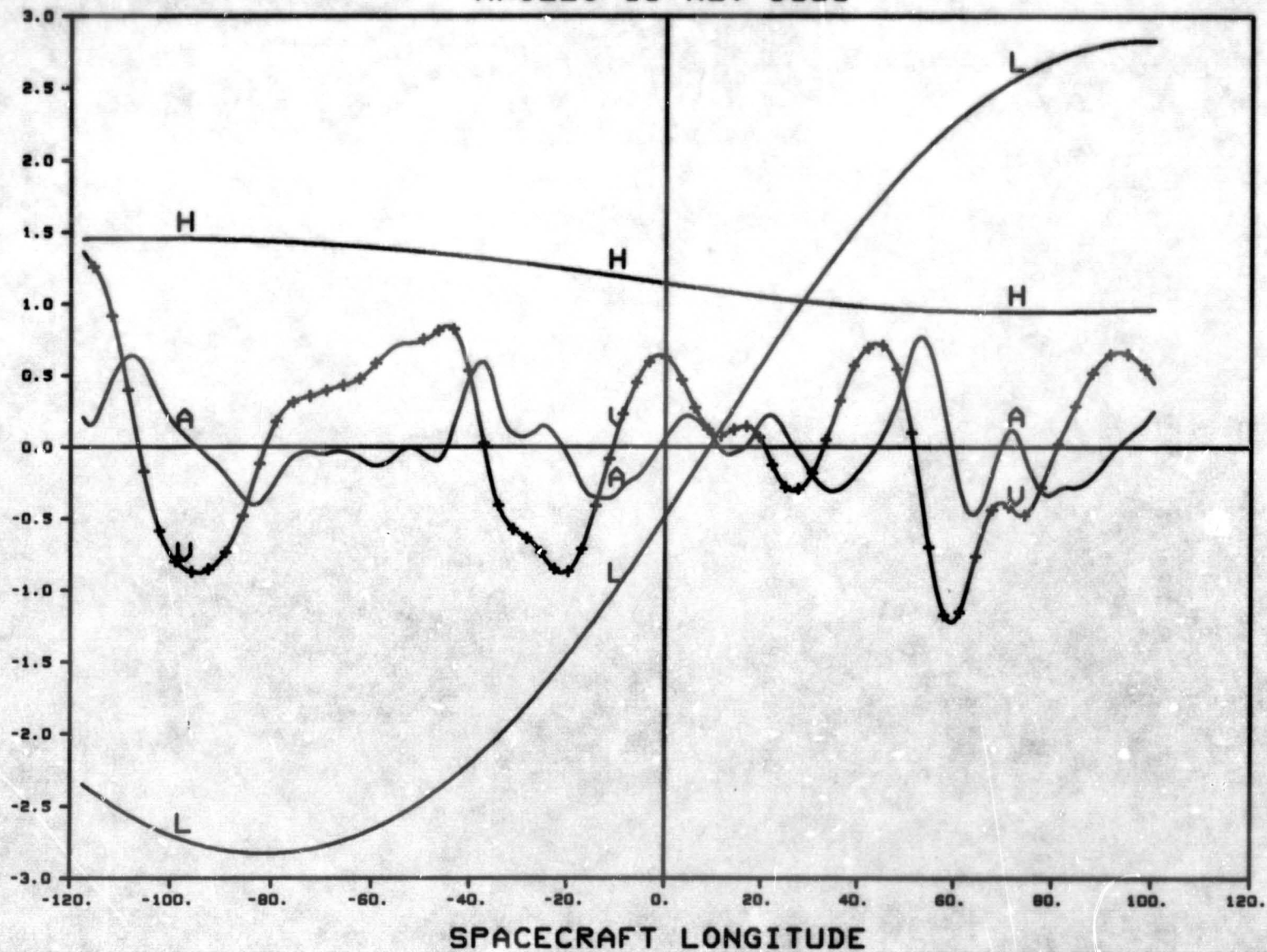
SPACECRAFT LONGITUDE

APOLLO 15 REV 5598



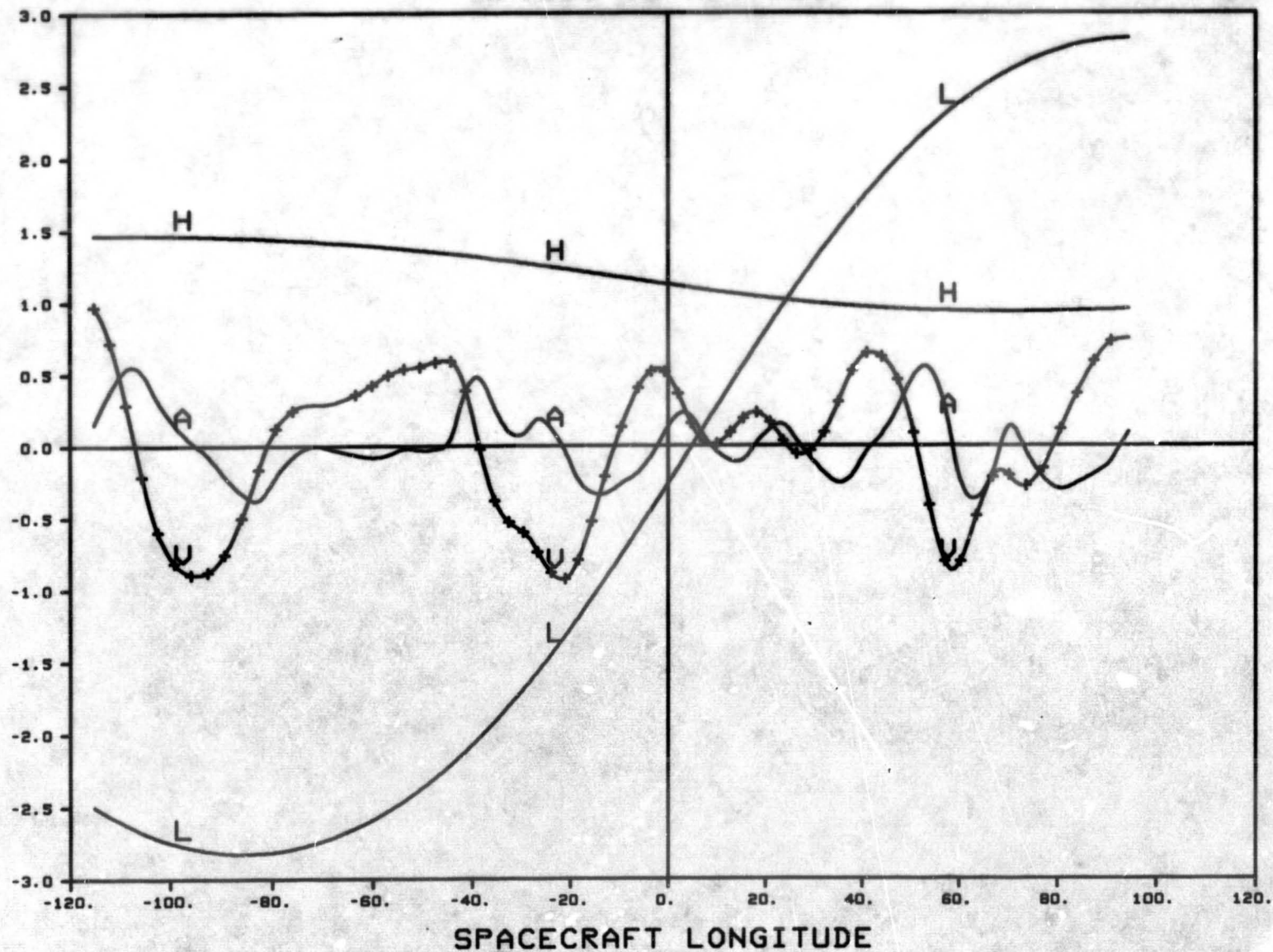
APOLLO 15 REV 5600

VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



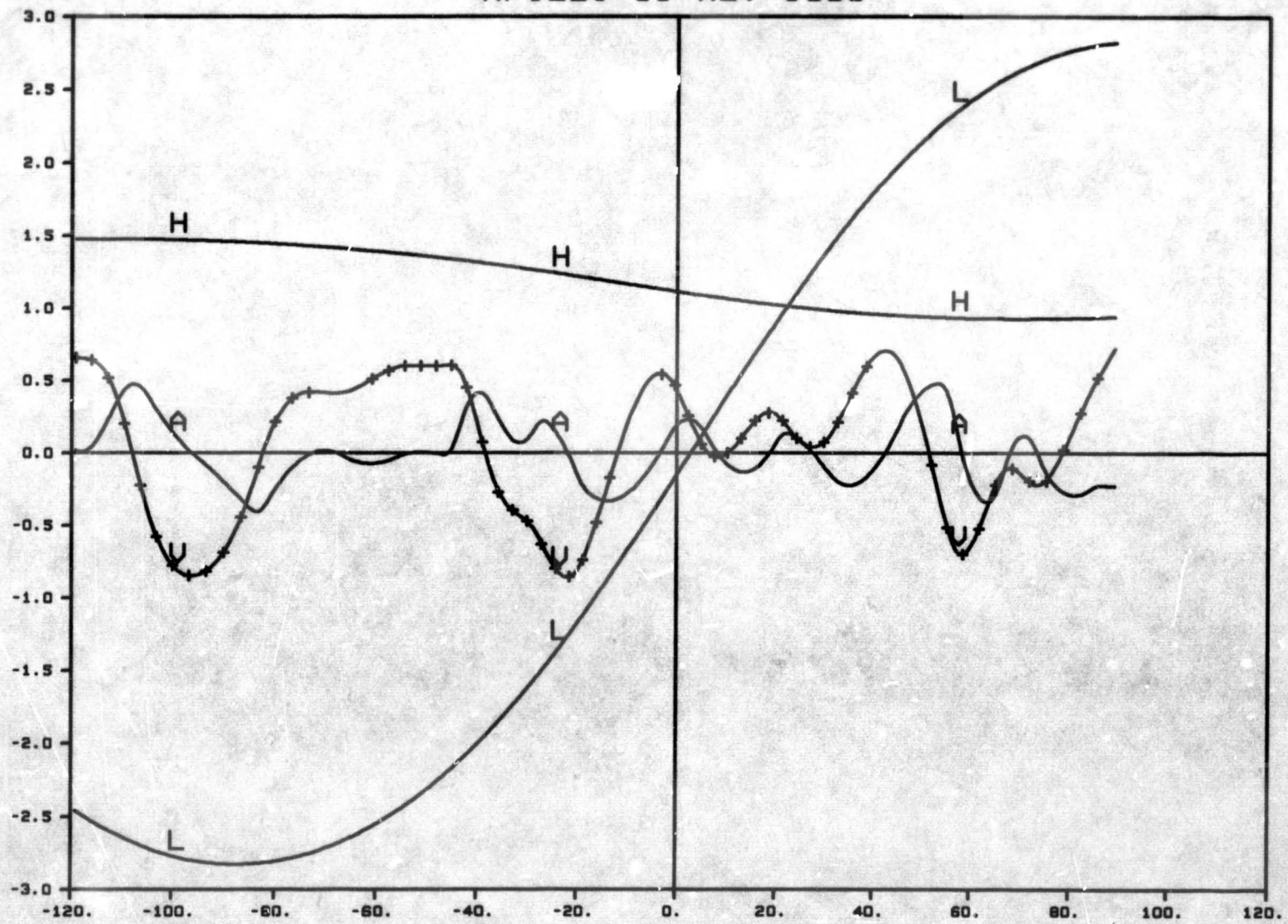
APOLLO 15 REV 5604

VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



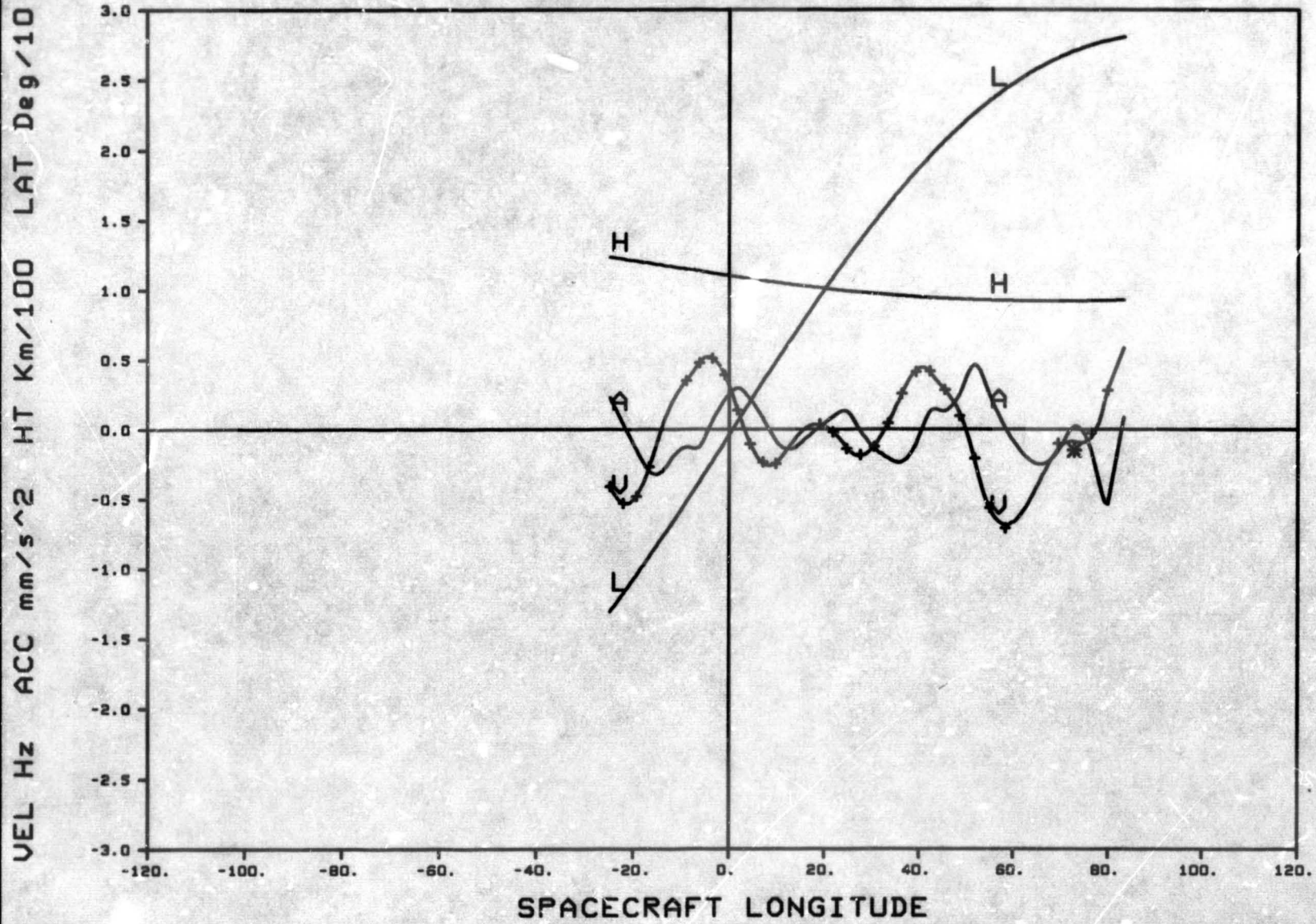
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

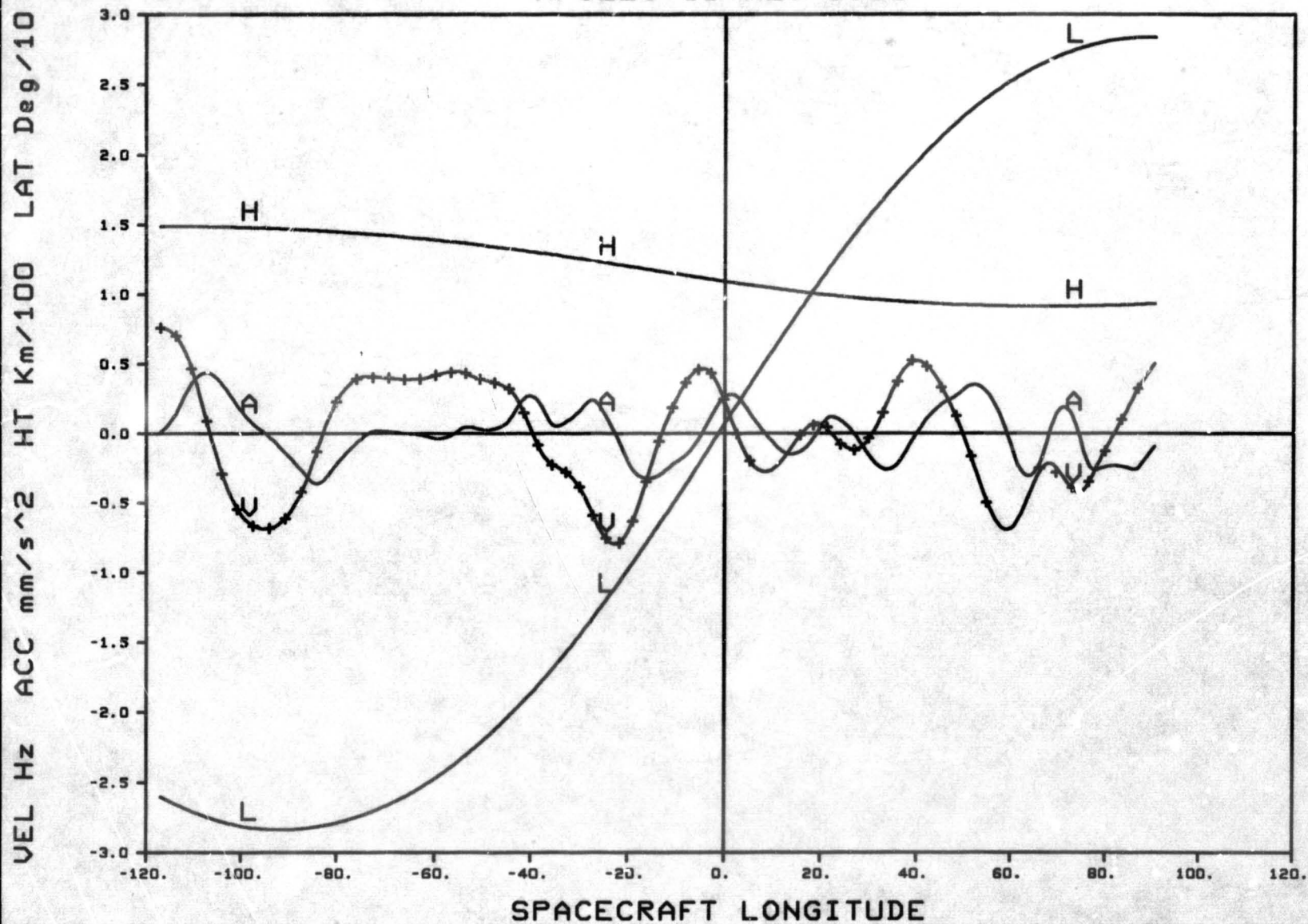


SPACECRAFT LONGITUDE

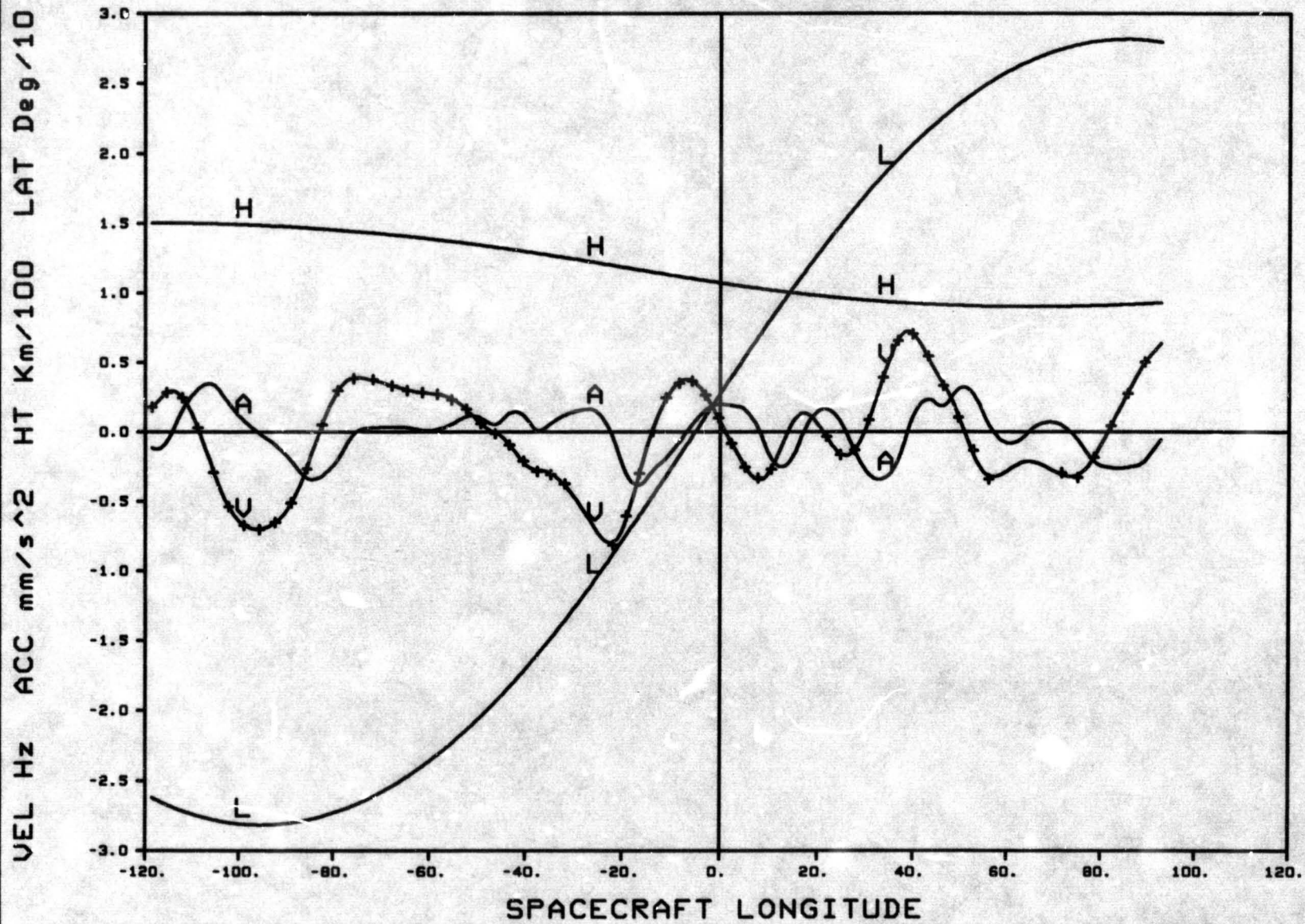
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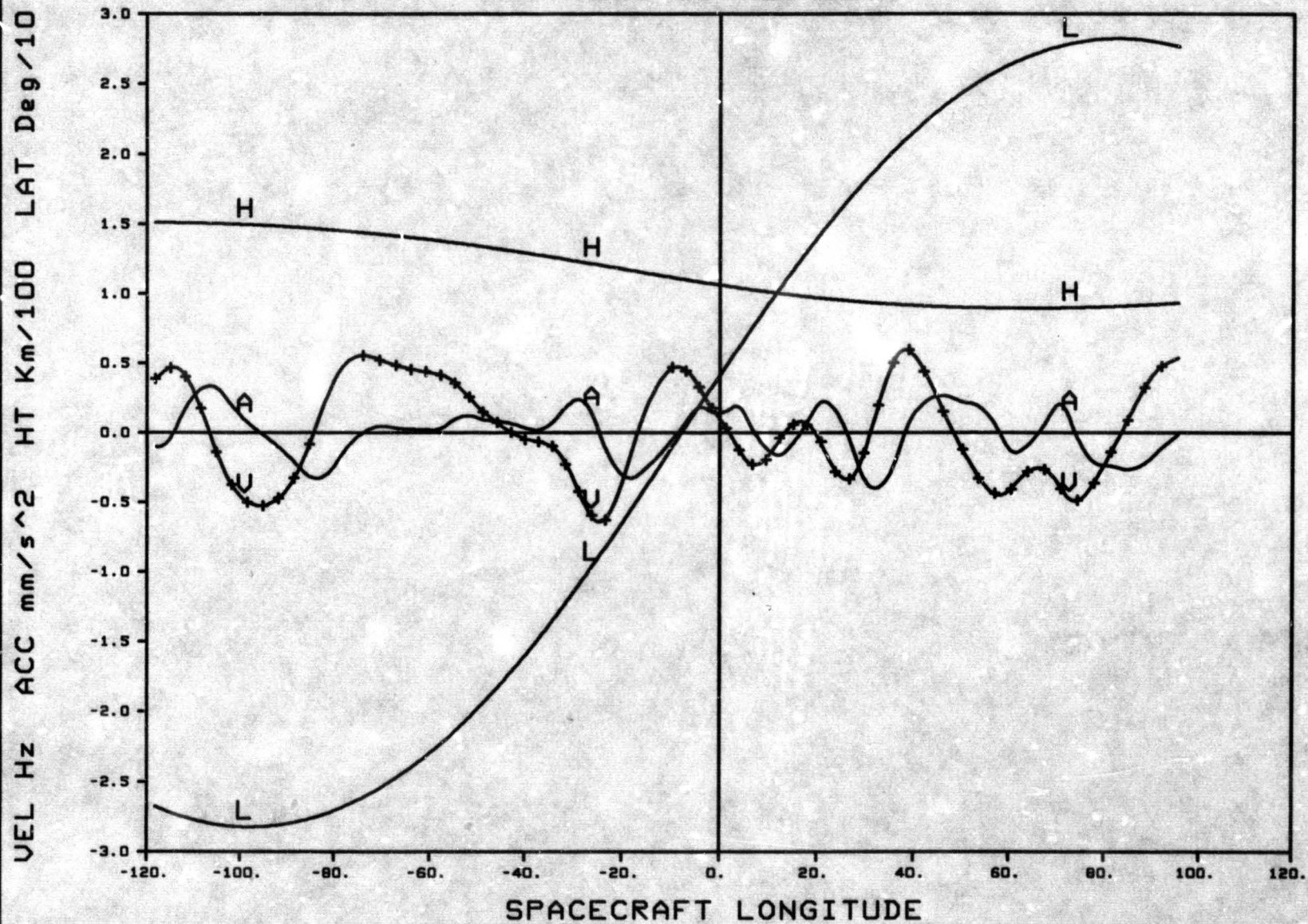
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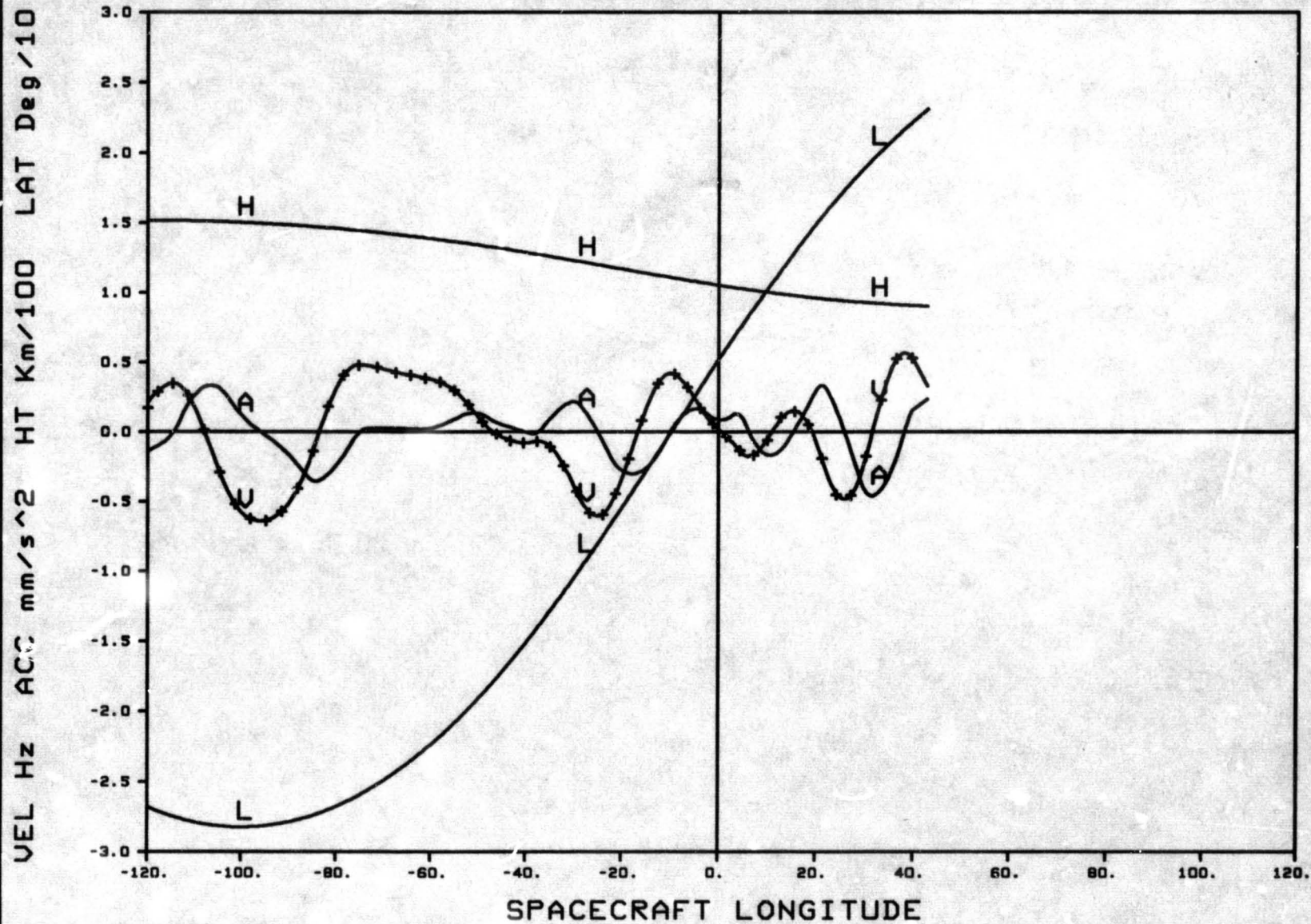
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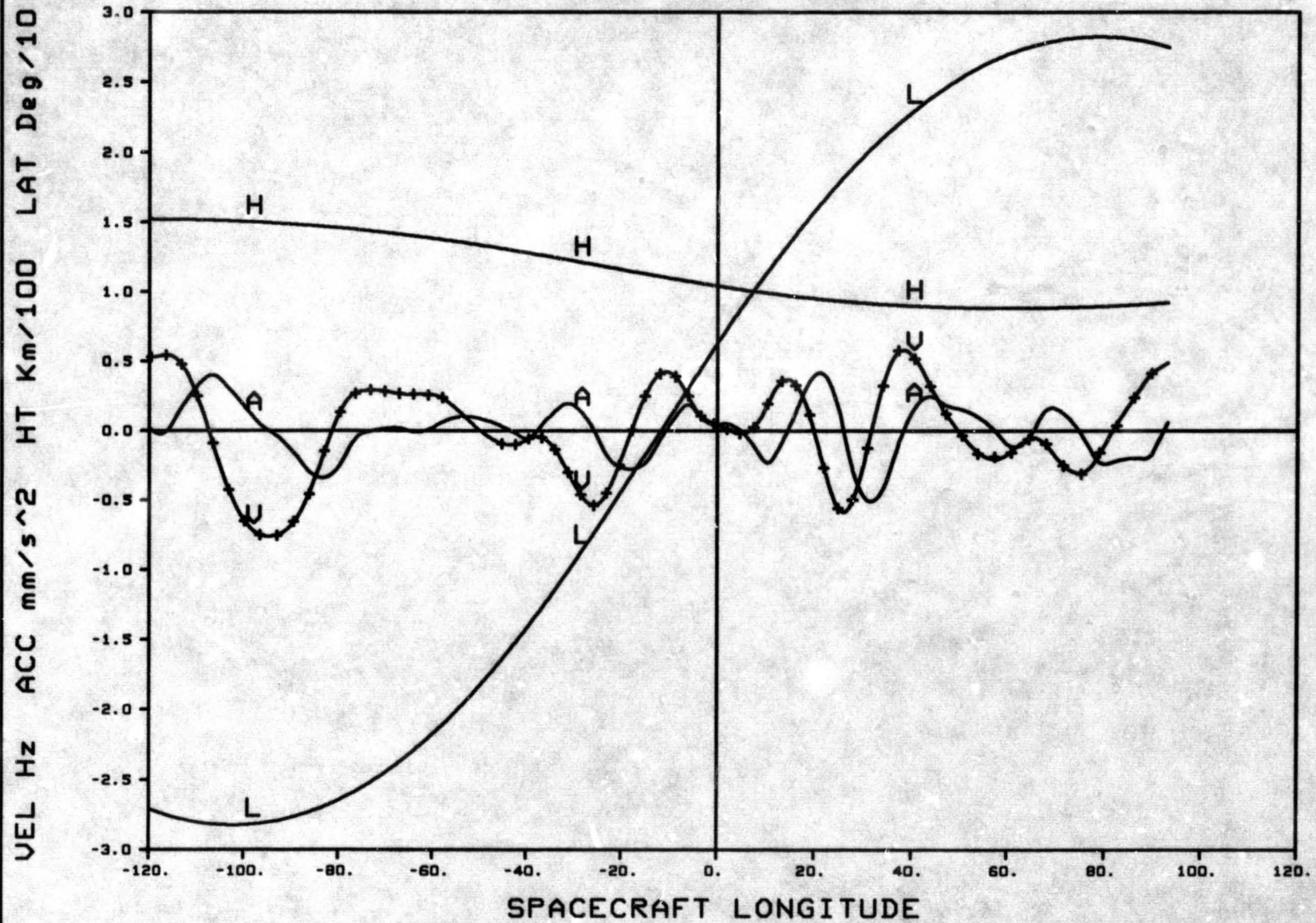
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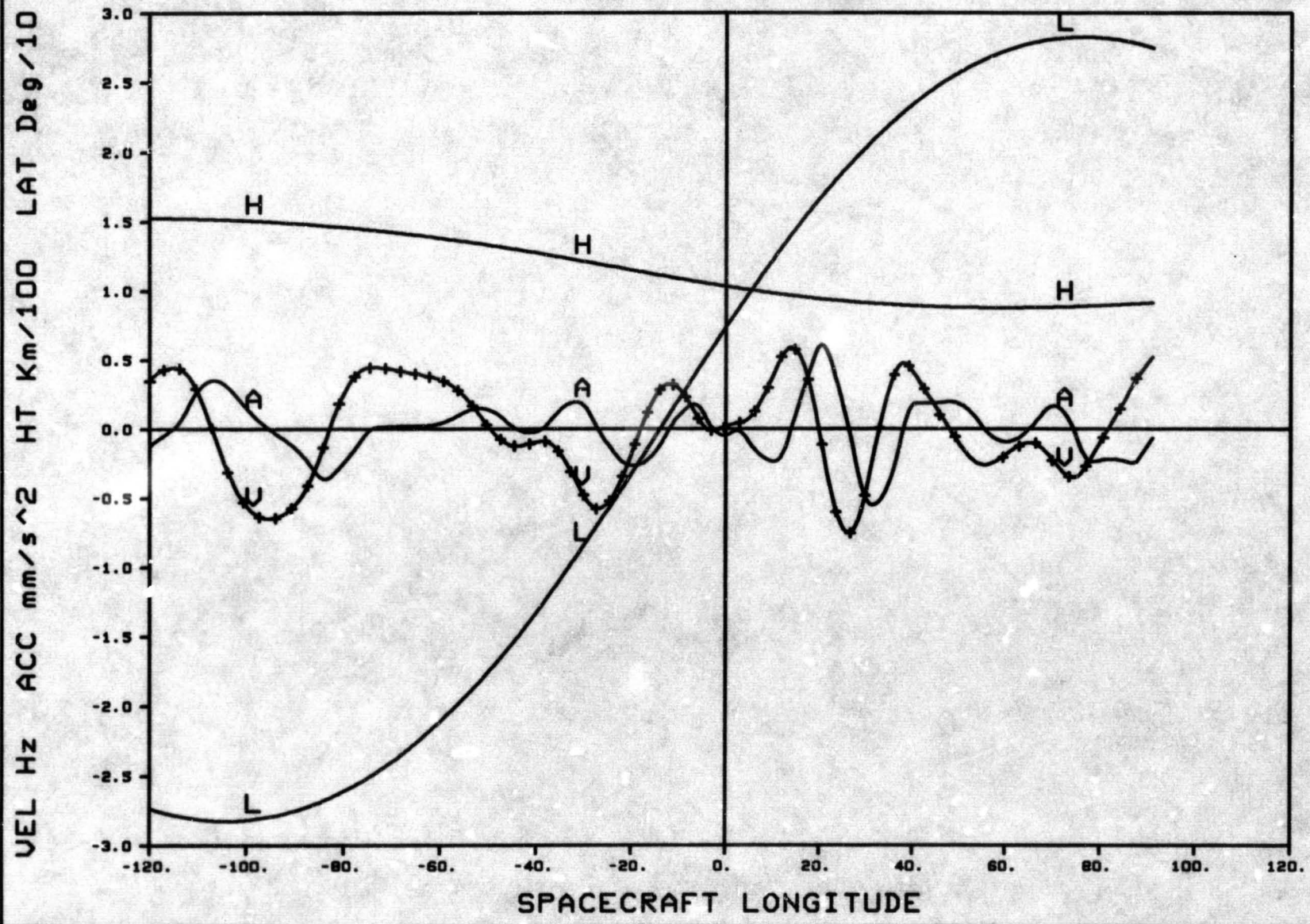
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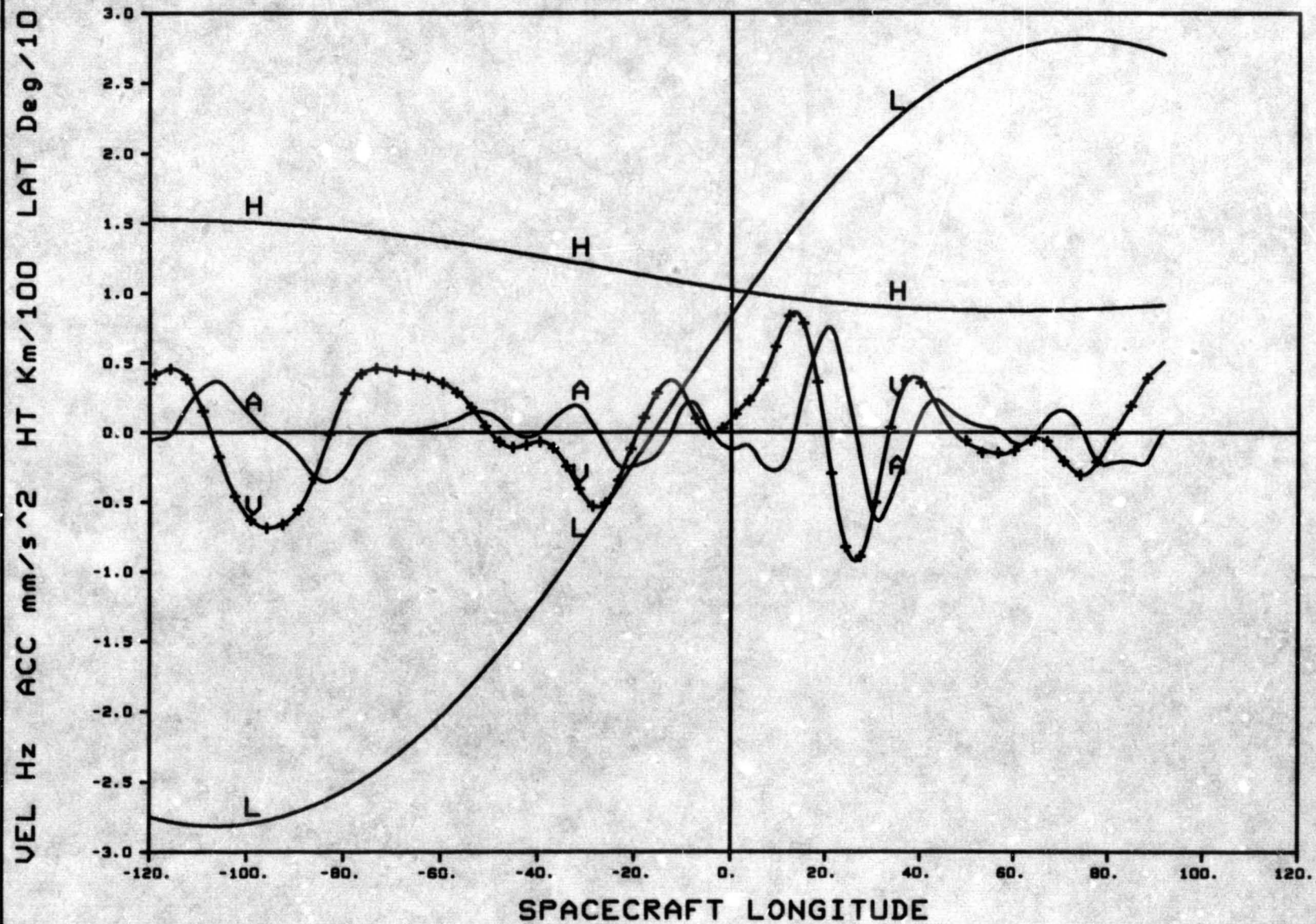
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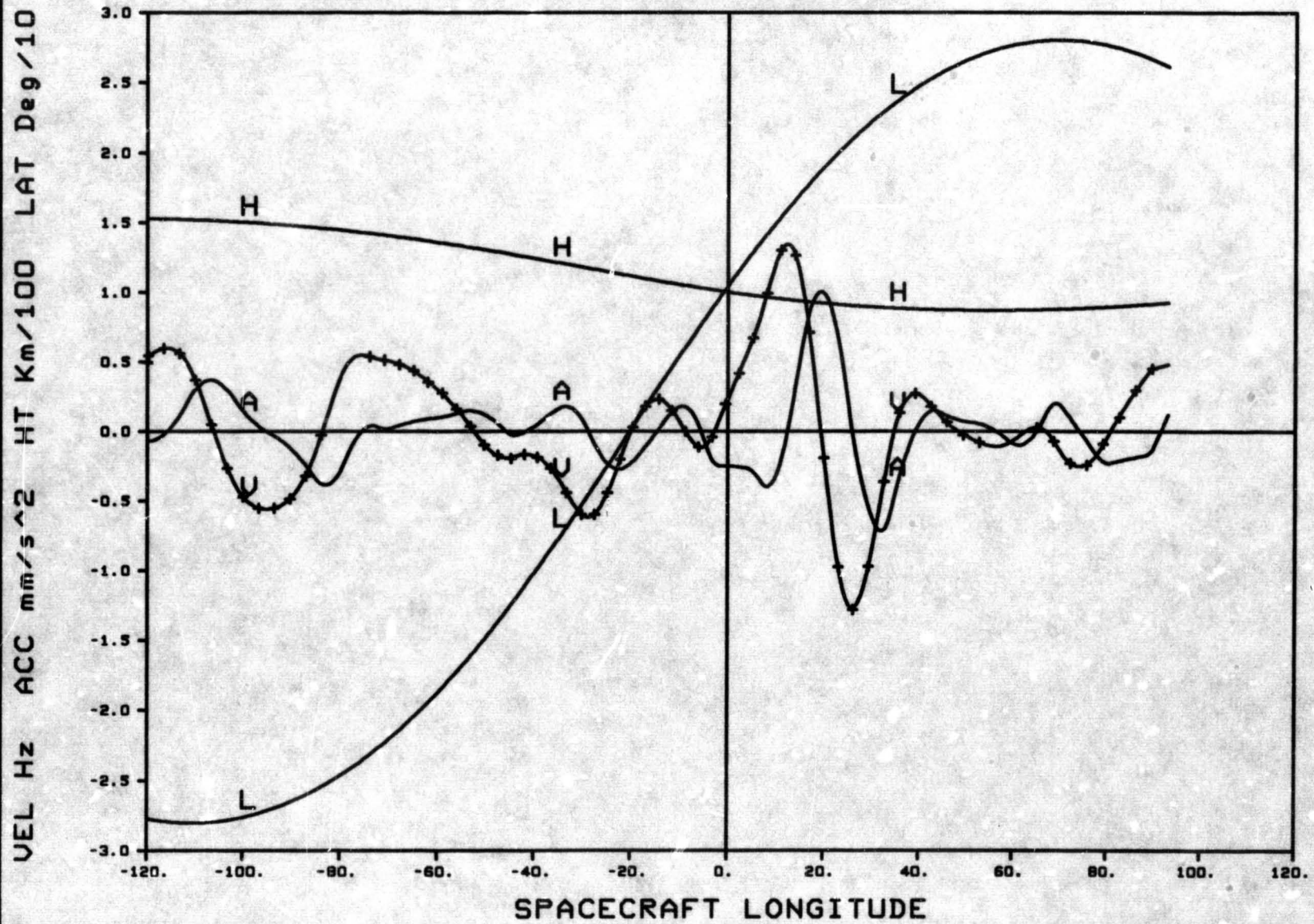
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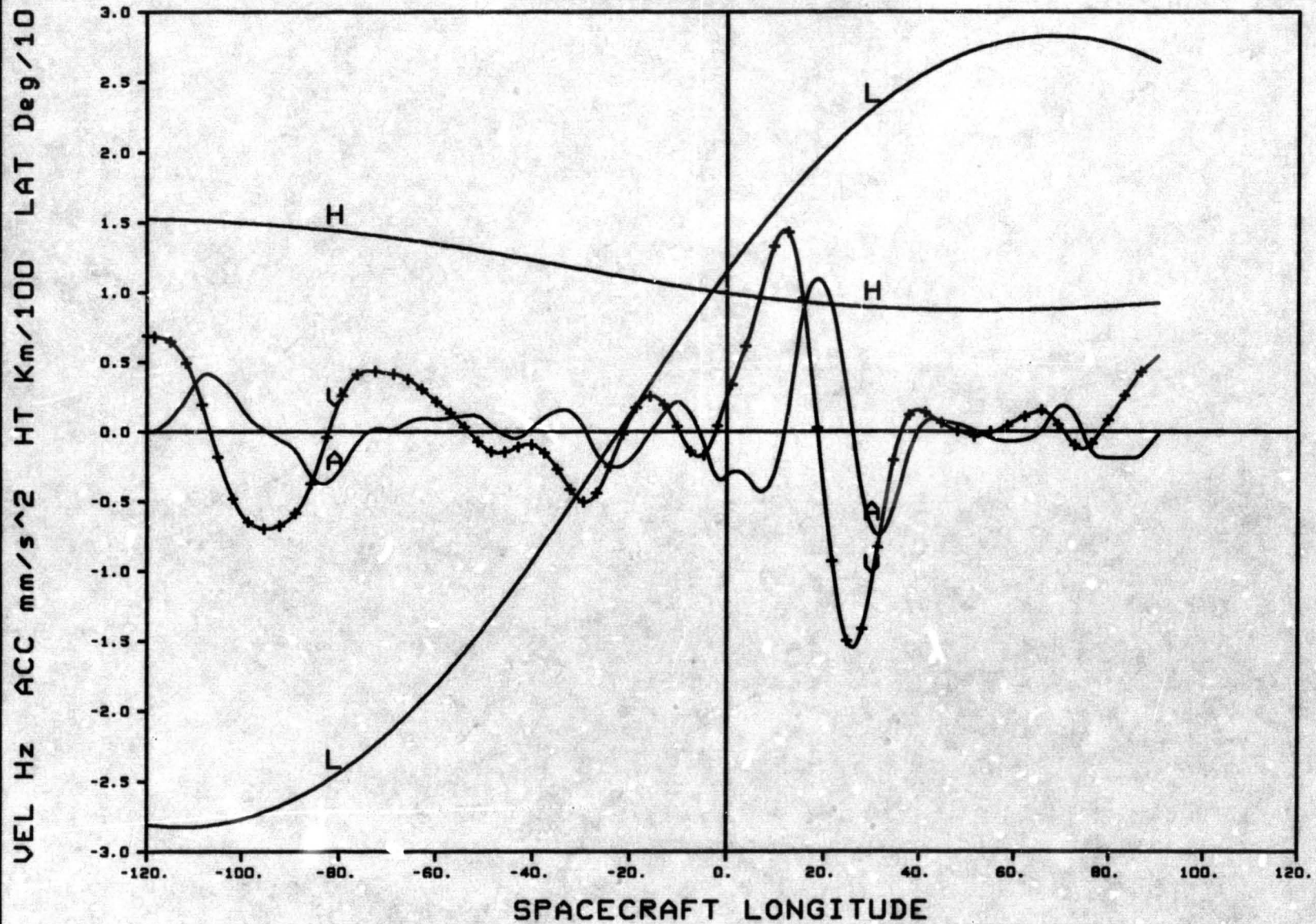
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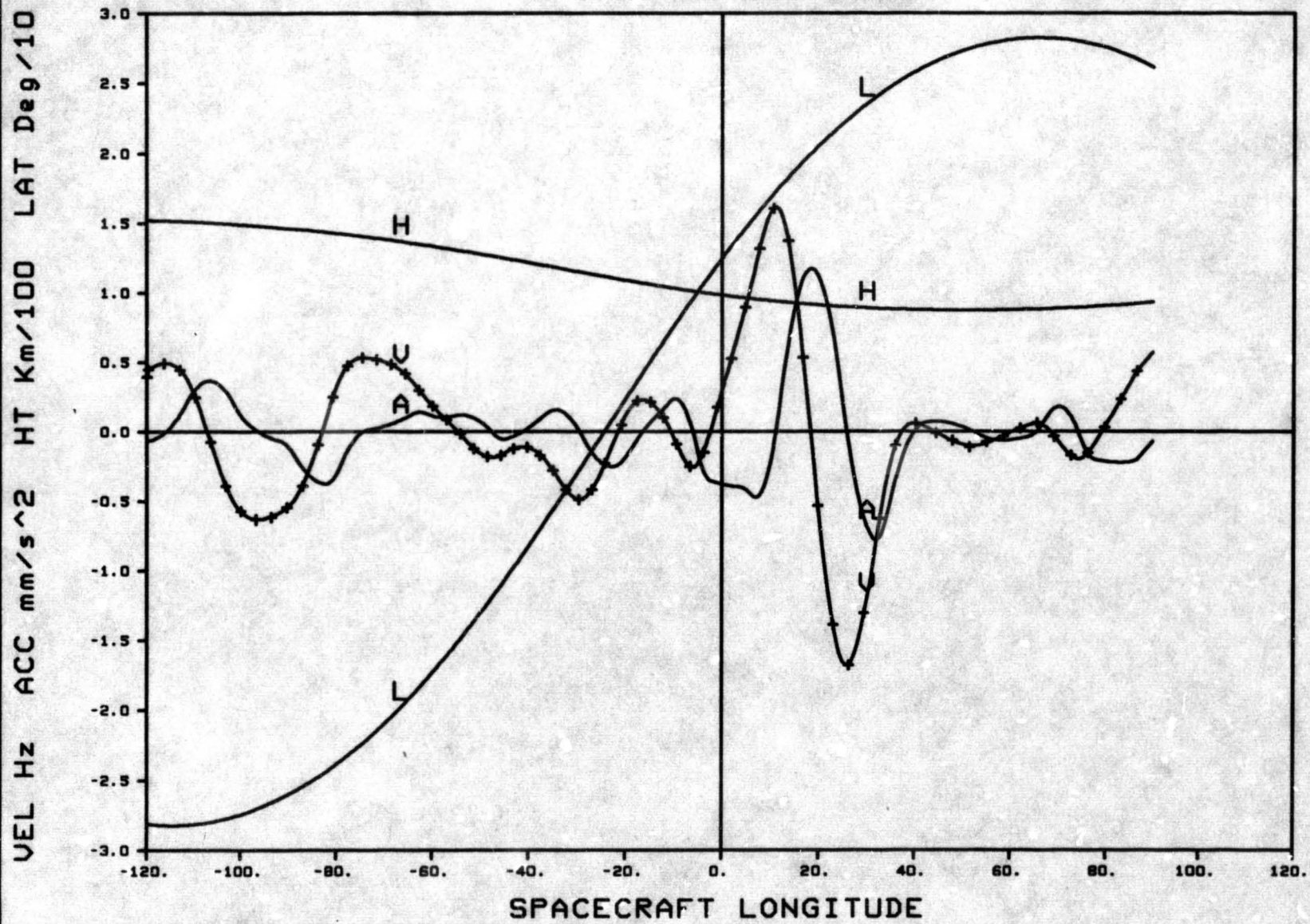
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APOLLO 15 REV 5630

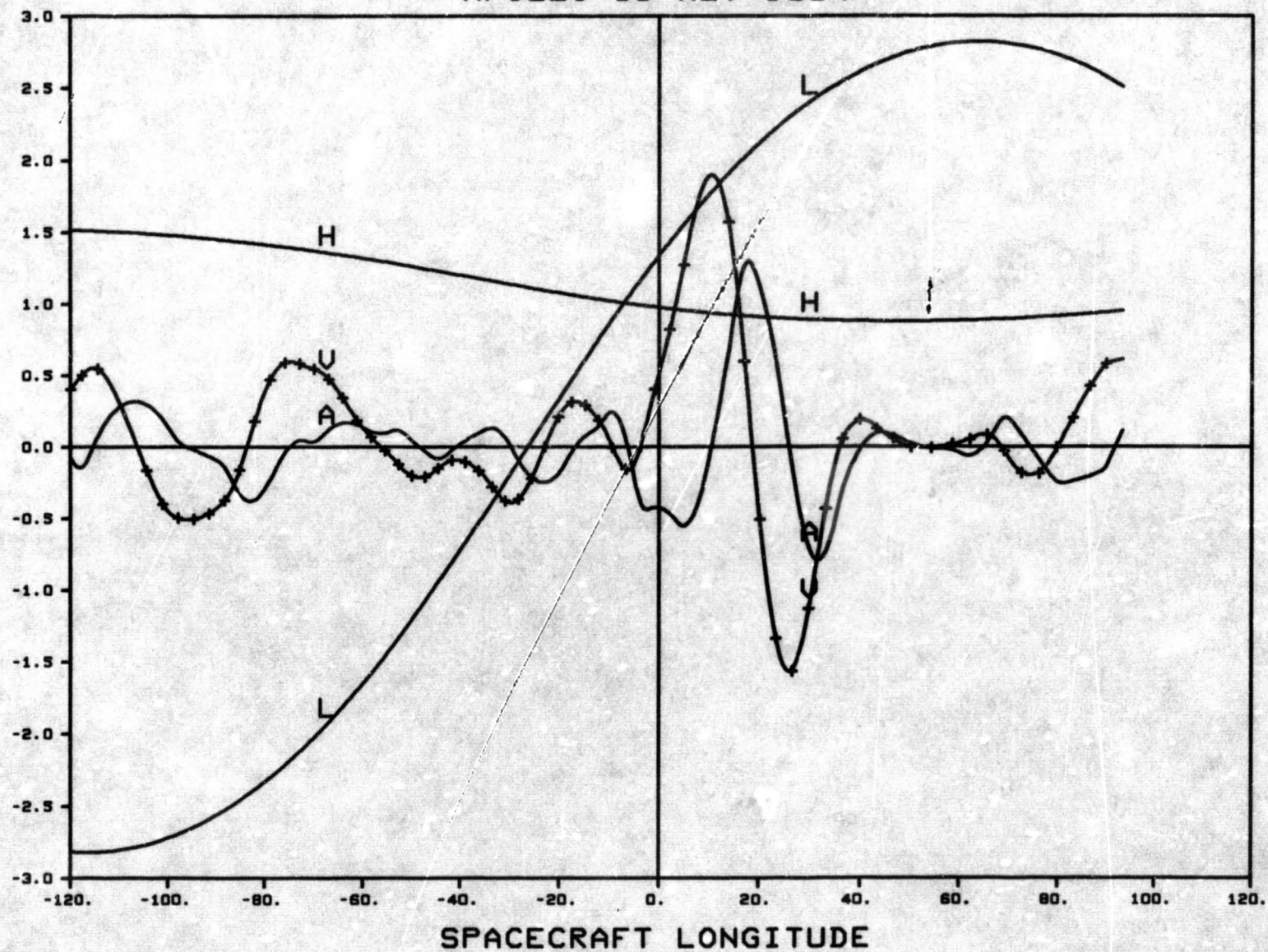


APOLLO 15 REV 5632

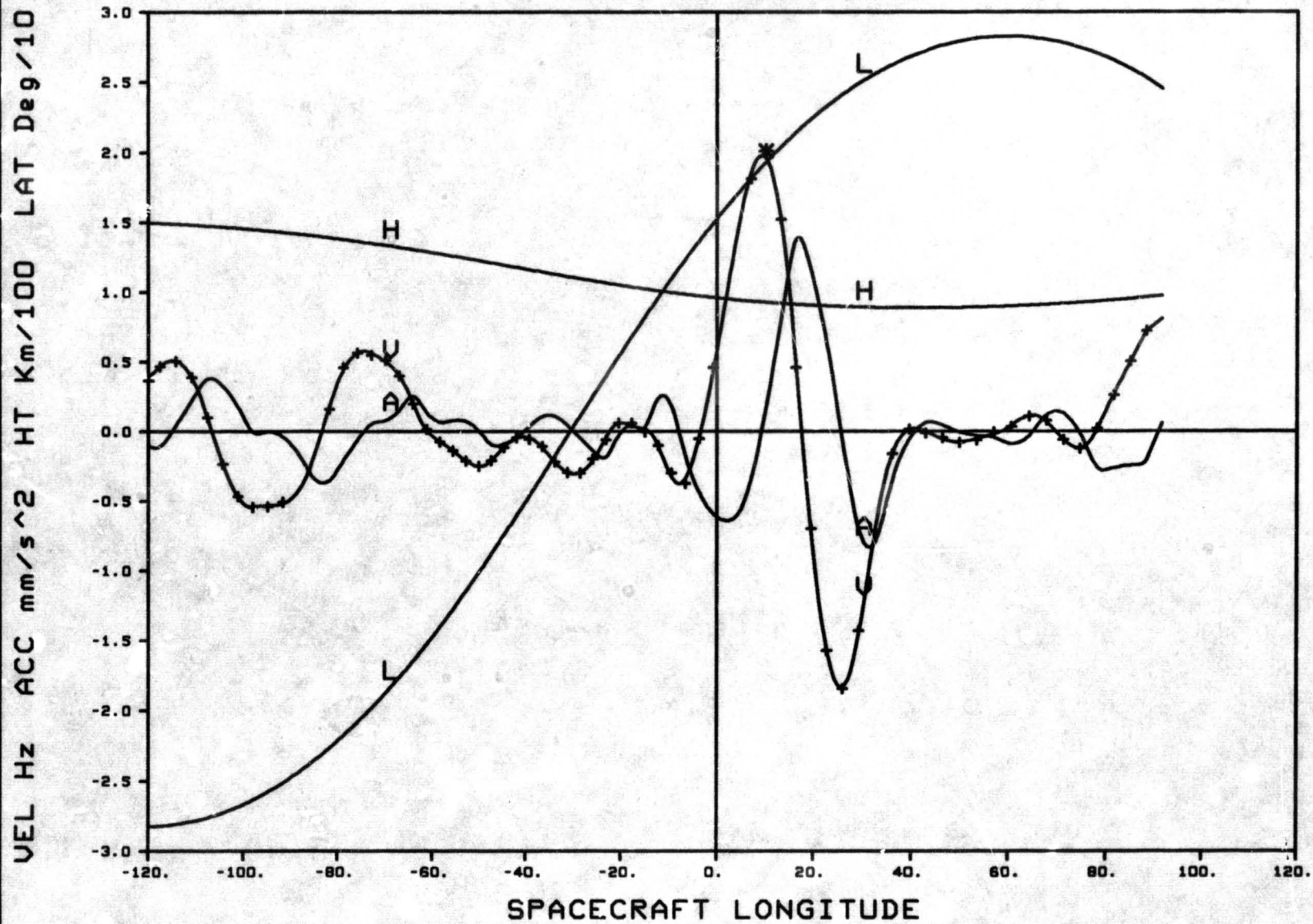


APOLLO 15 REV 5634

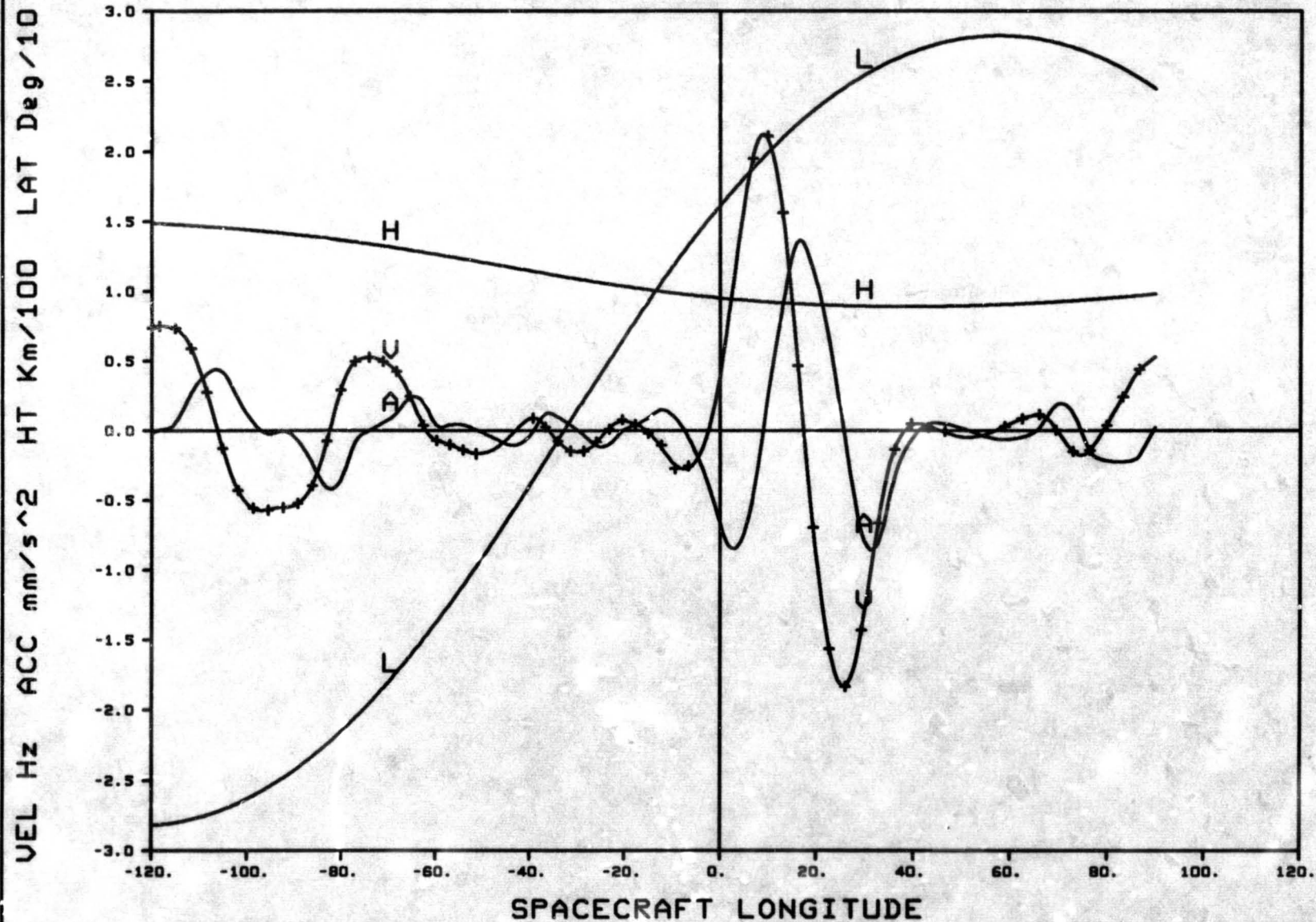
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



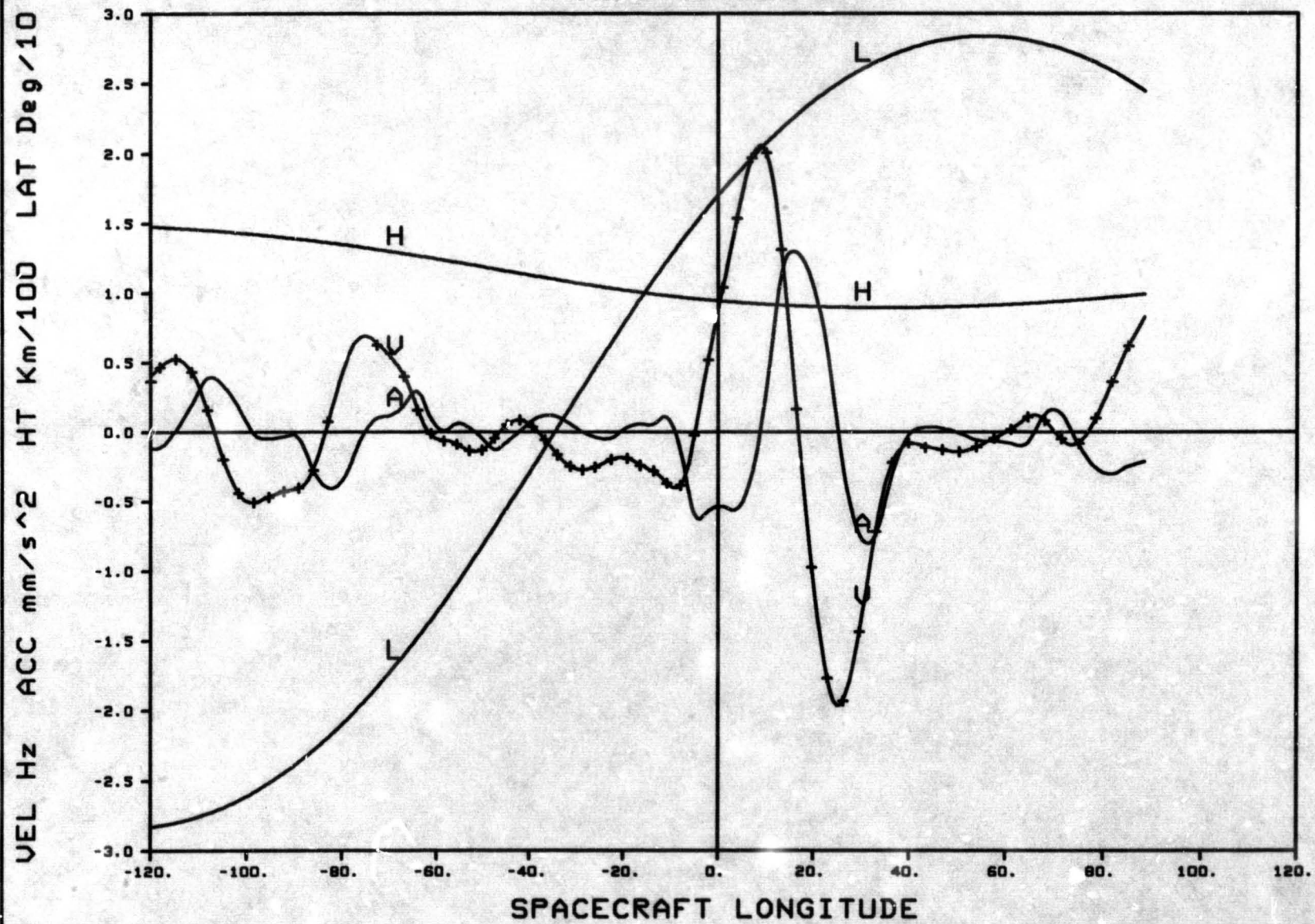
APOLLO 15 REV 5638



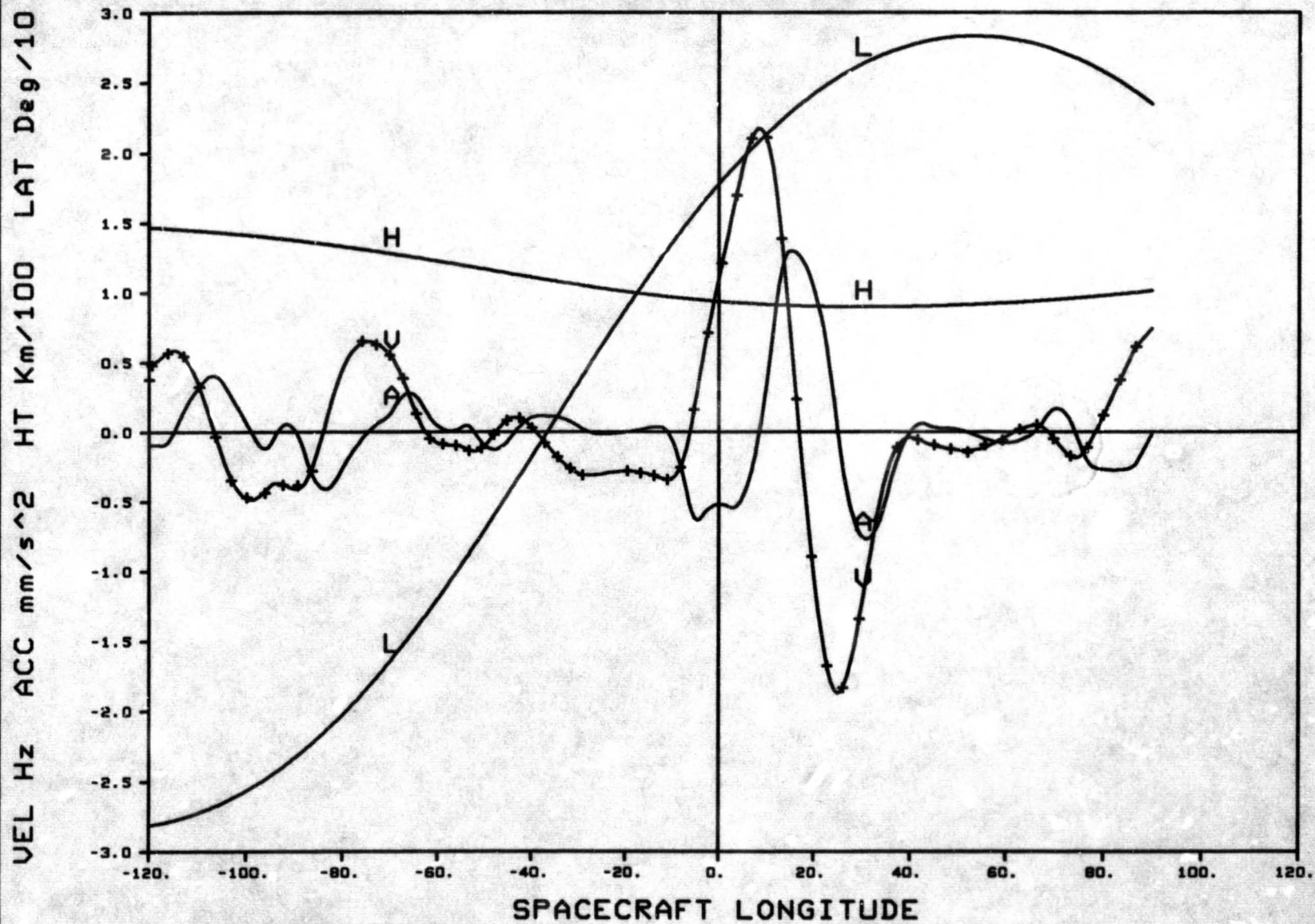
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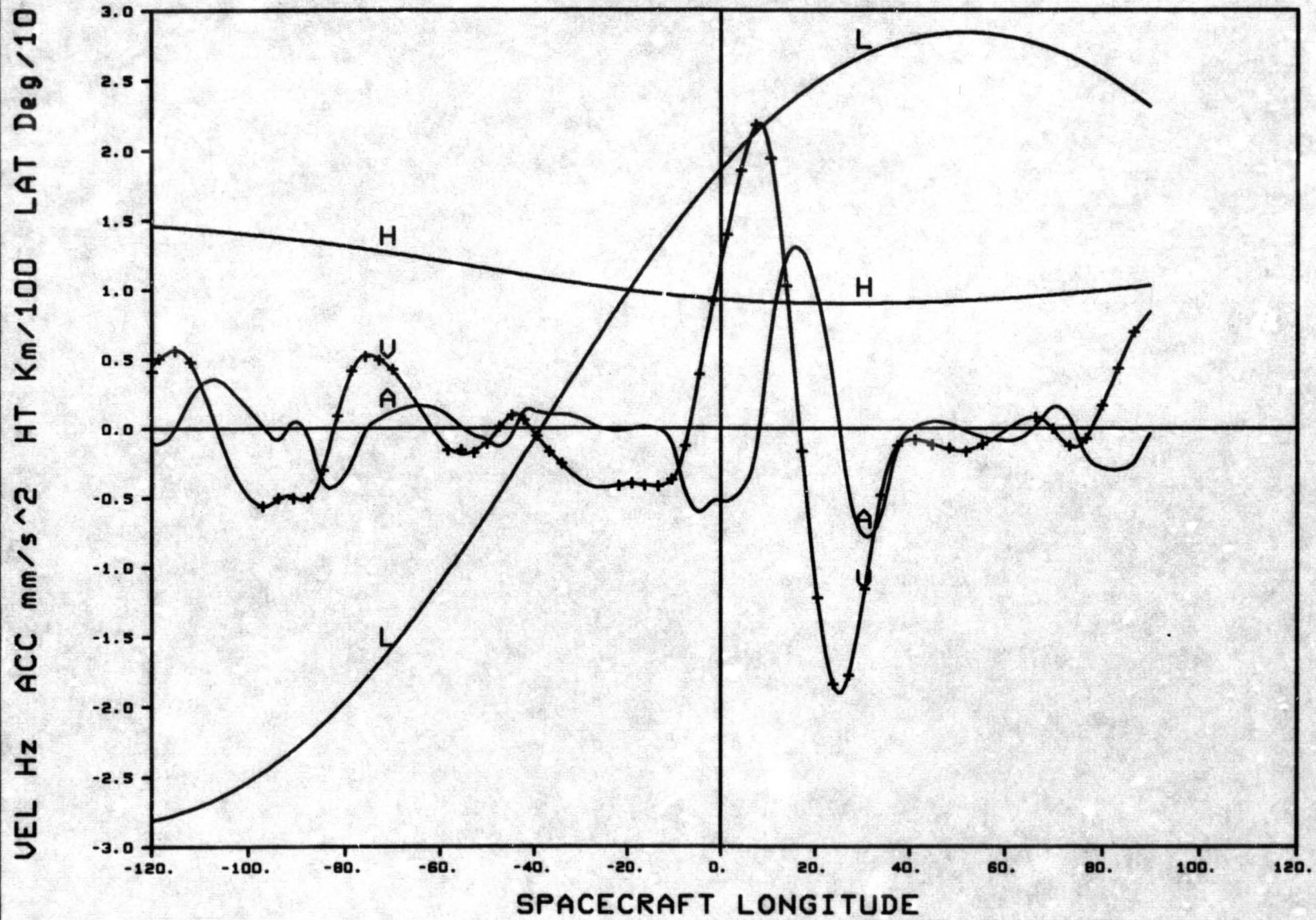
APOLLO 15 REV 5642



APOLLO 15 REV 5644

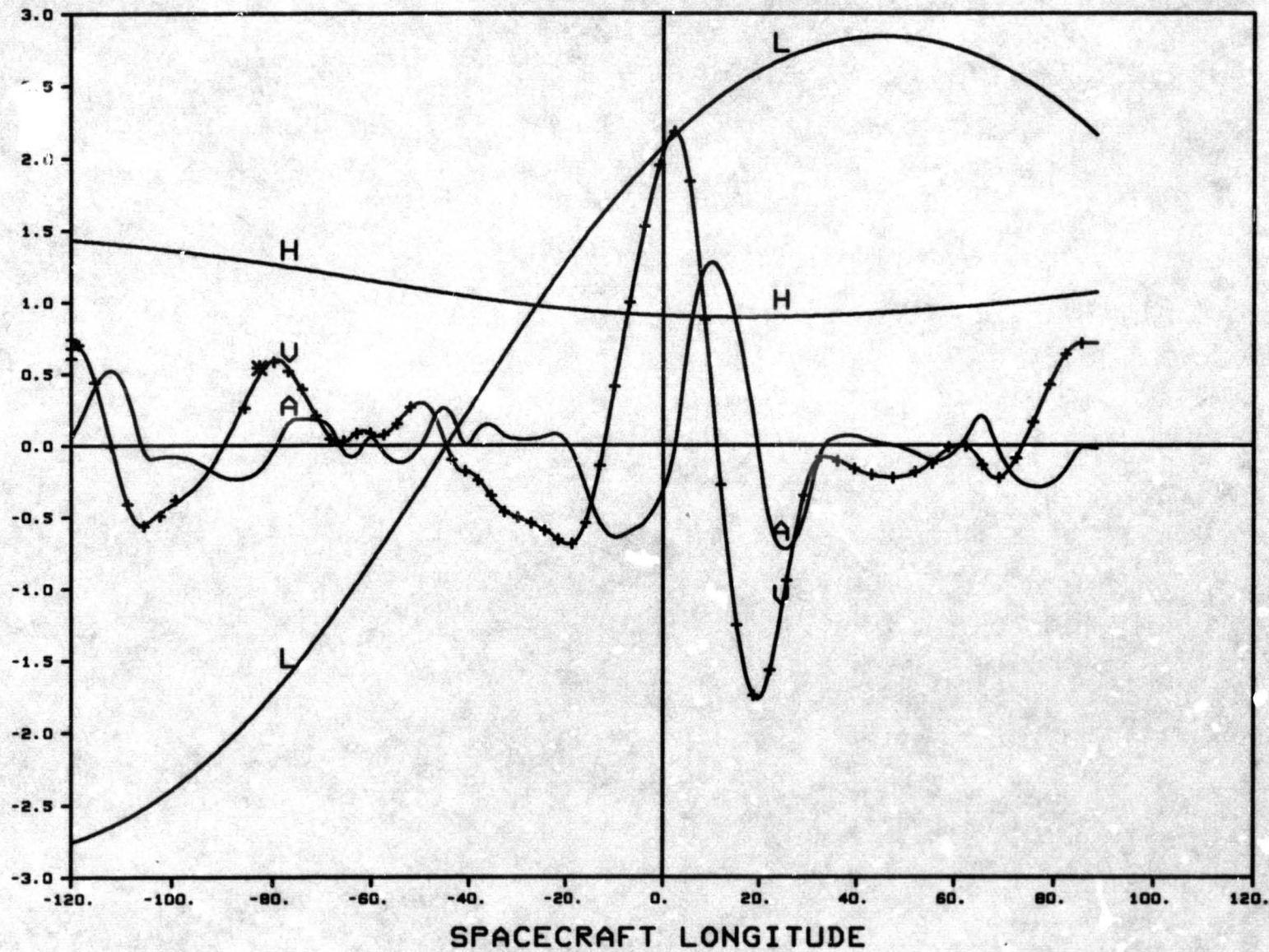


APOLLO 15 REV 5646



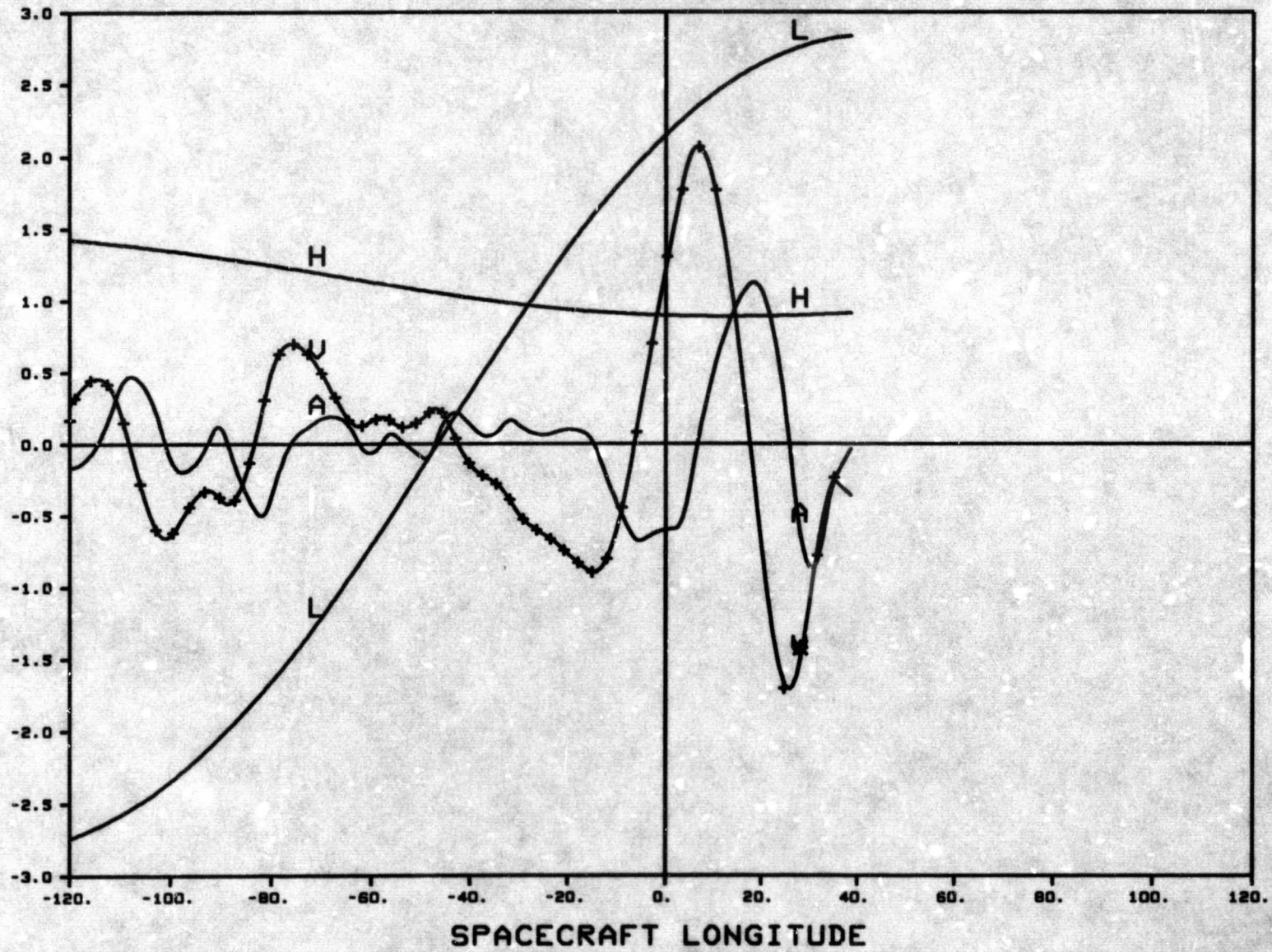
APOLLO 15 REV 5652

VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

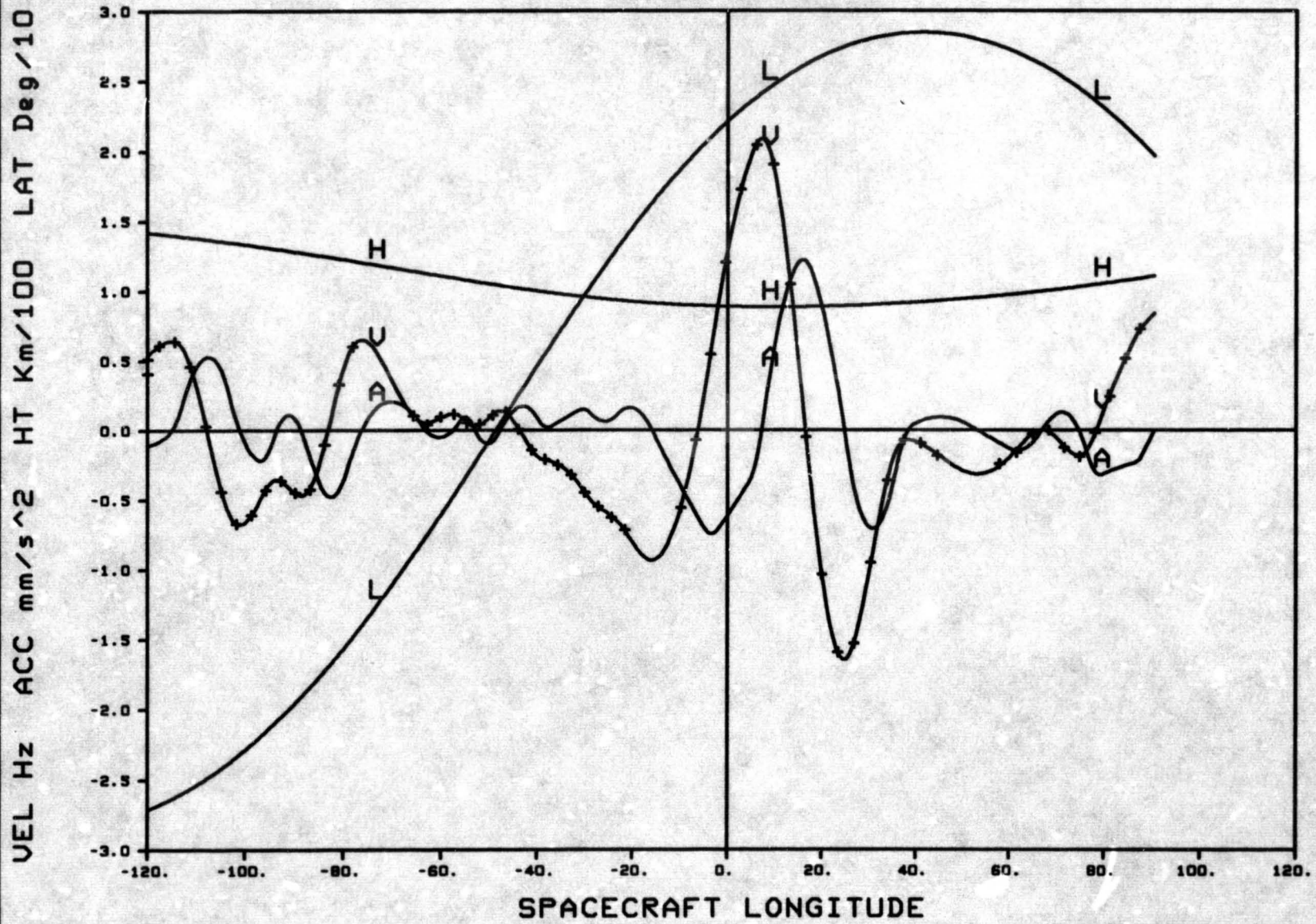


APOLLO 15 REV 5654

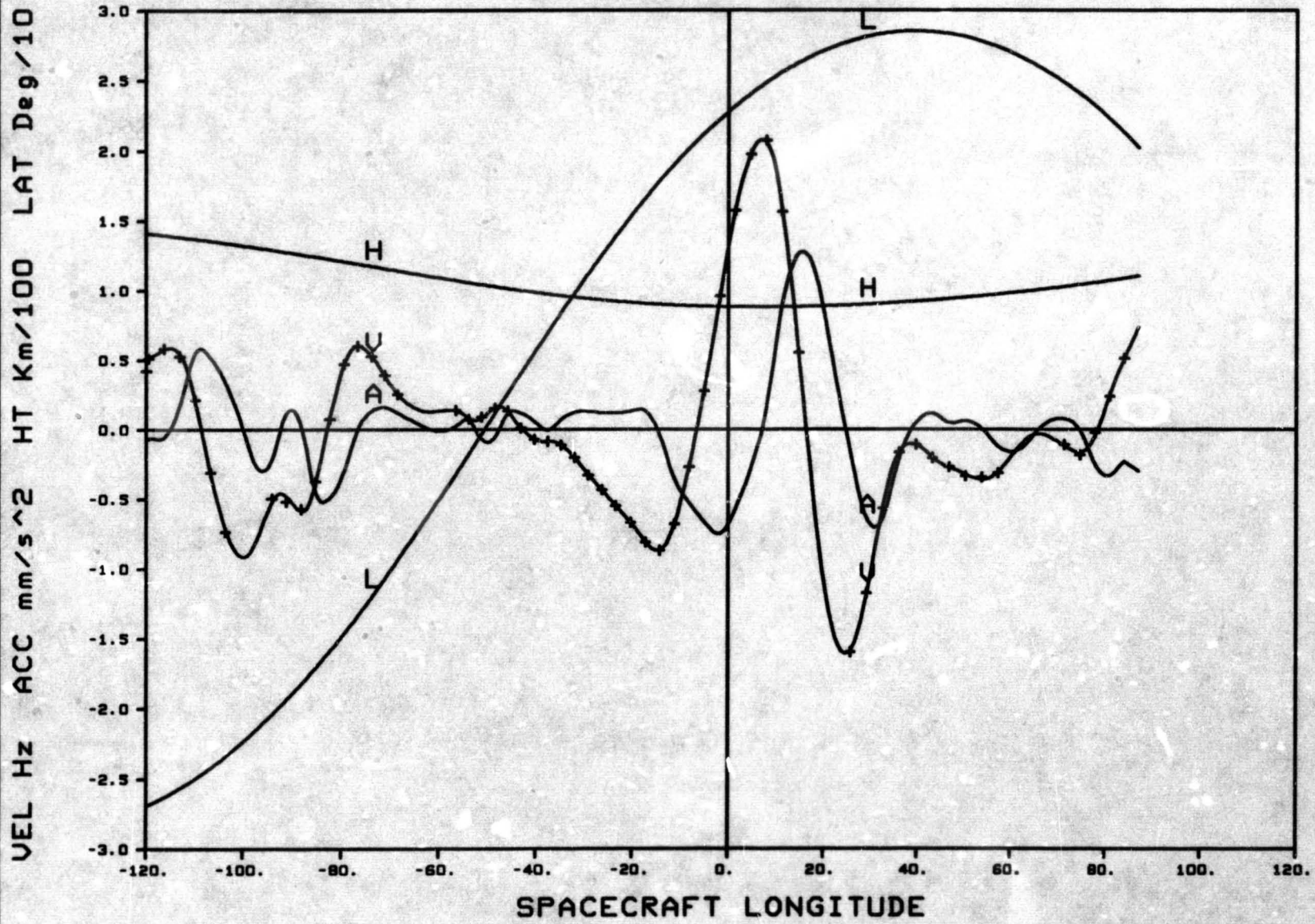
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



APOLLO 15 REV 5656

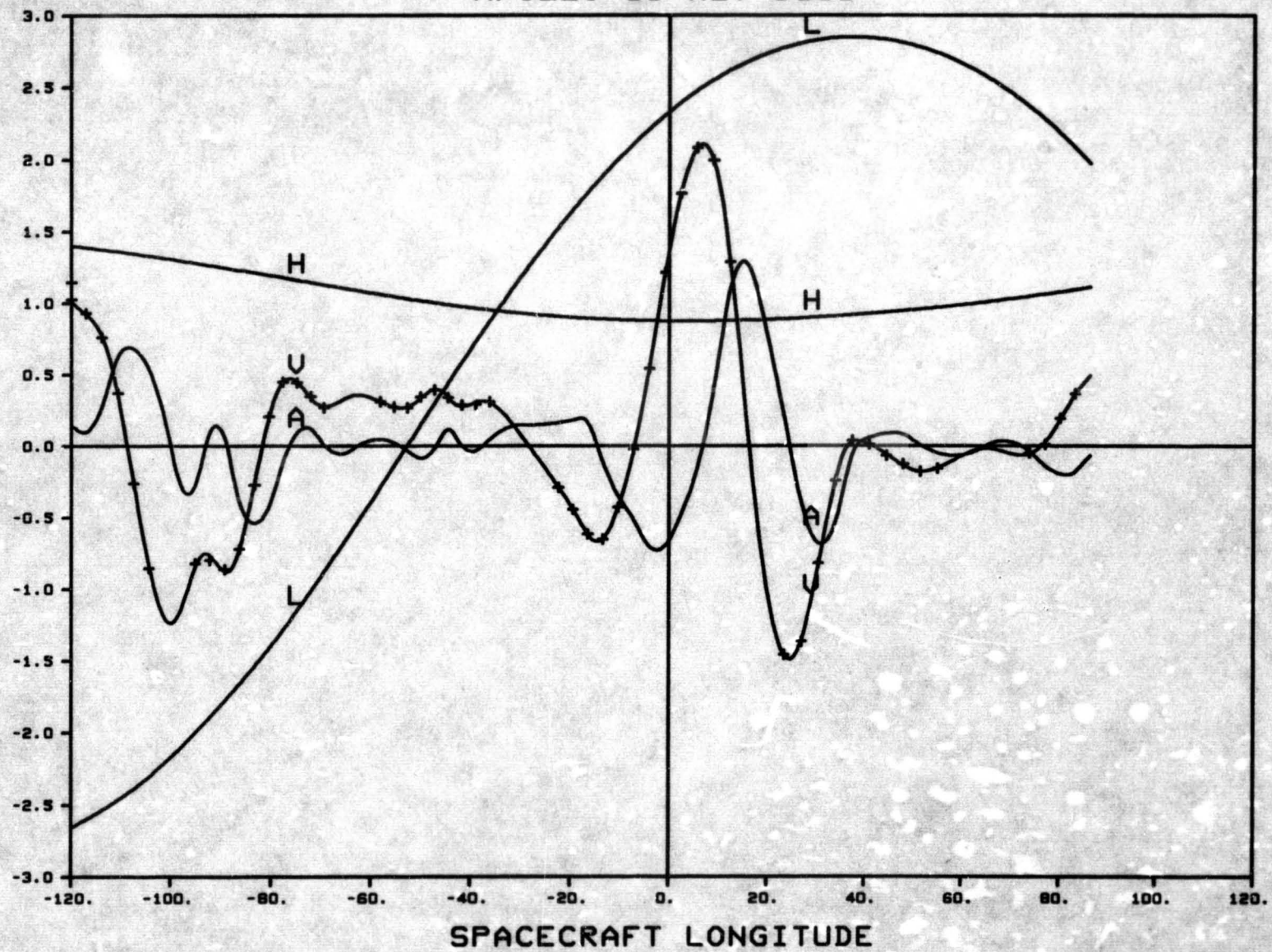


APOLLO 15 REV 5658

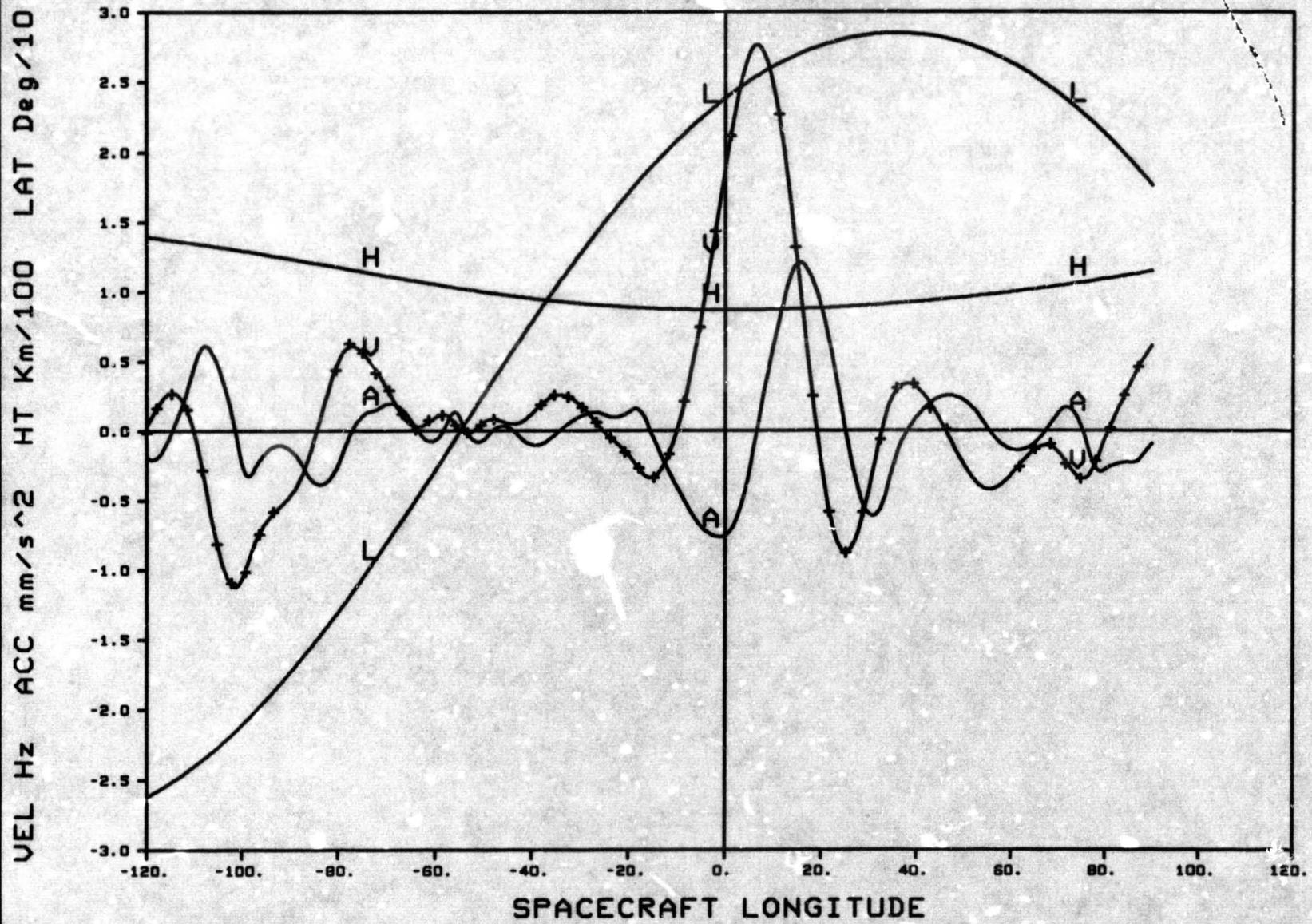


APOLLO 15 REV 5660

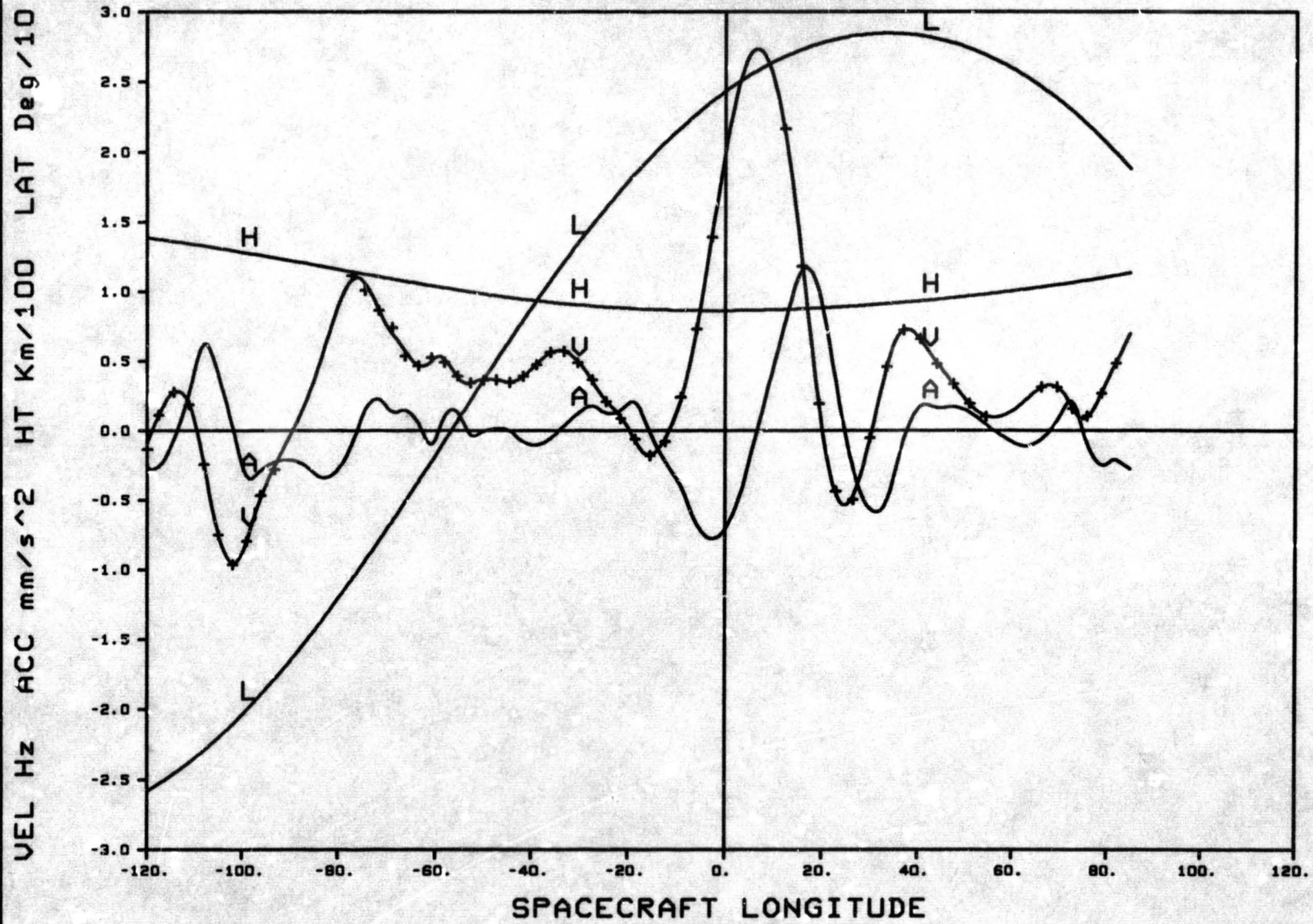
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



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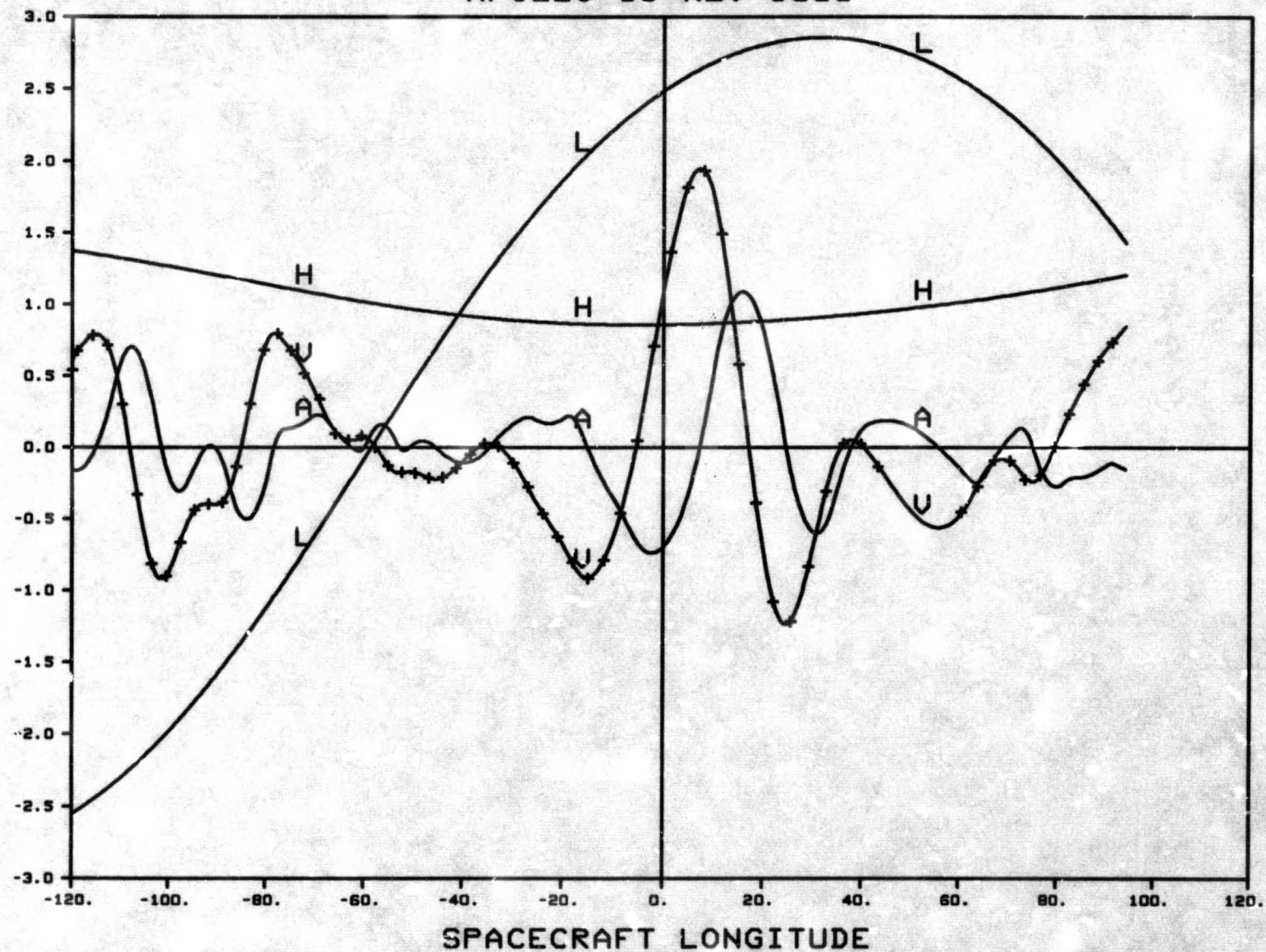


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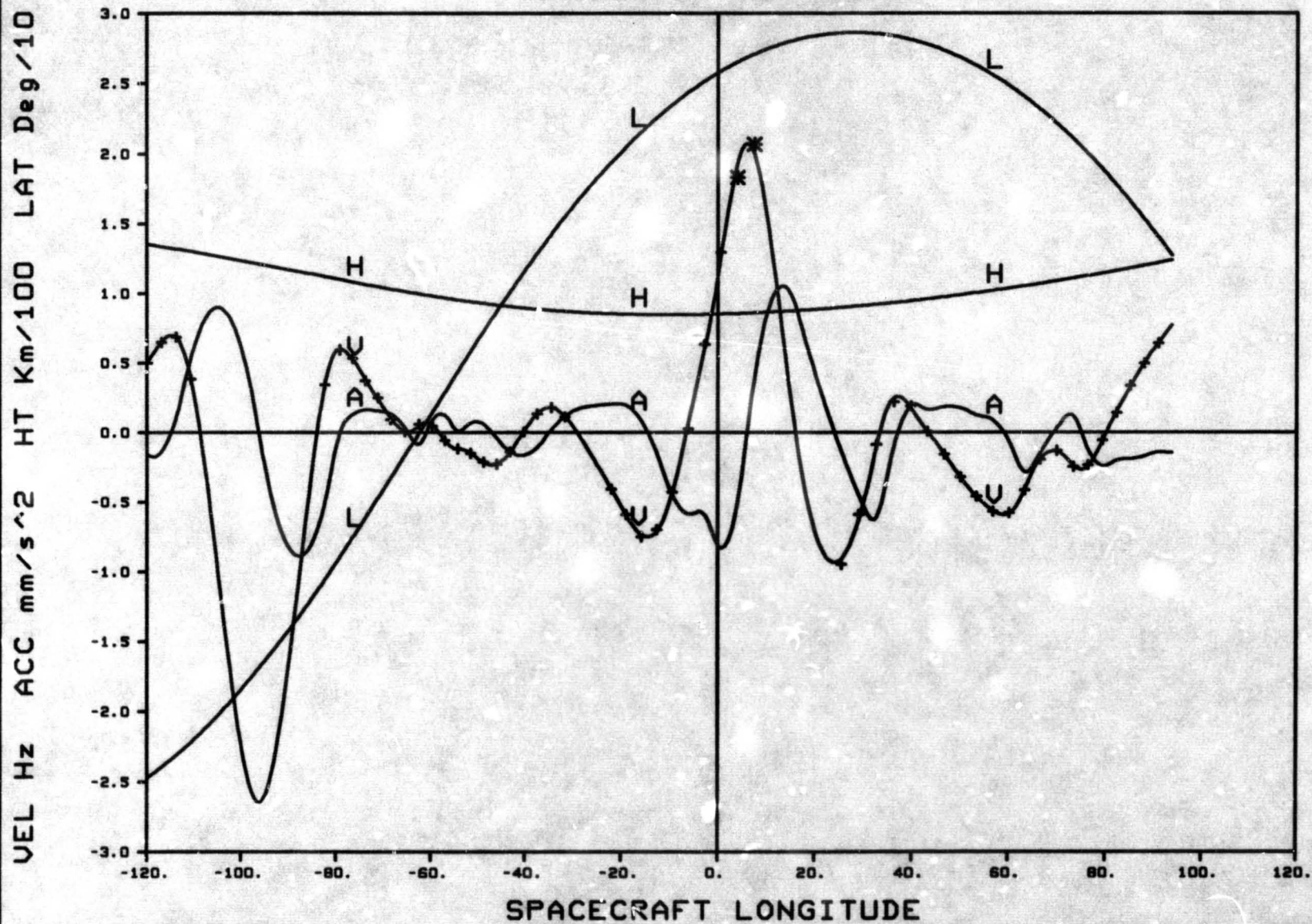


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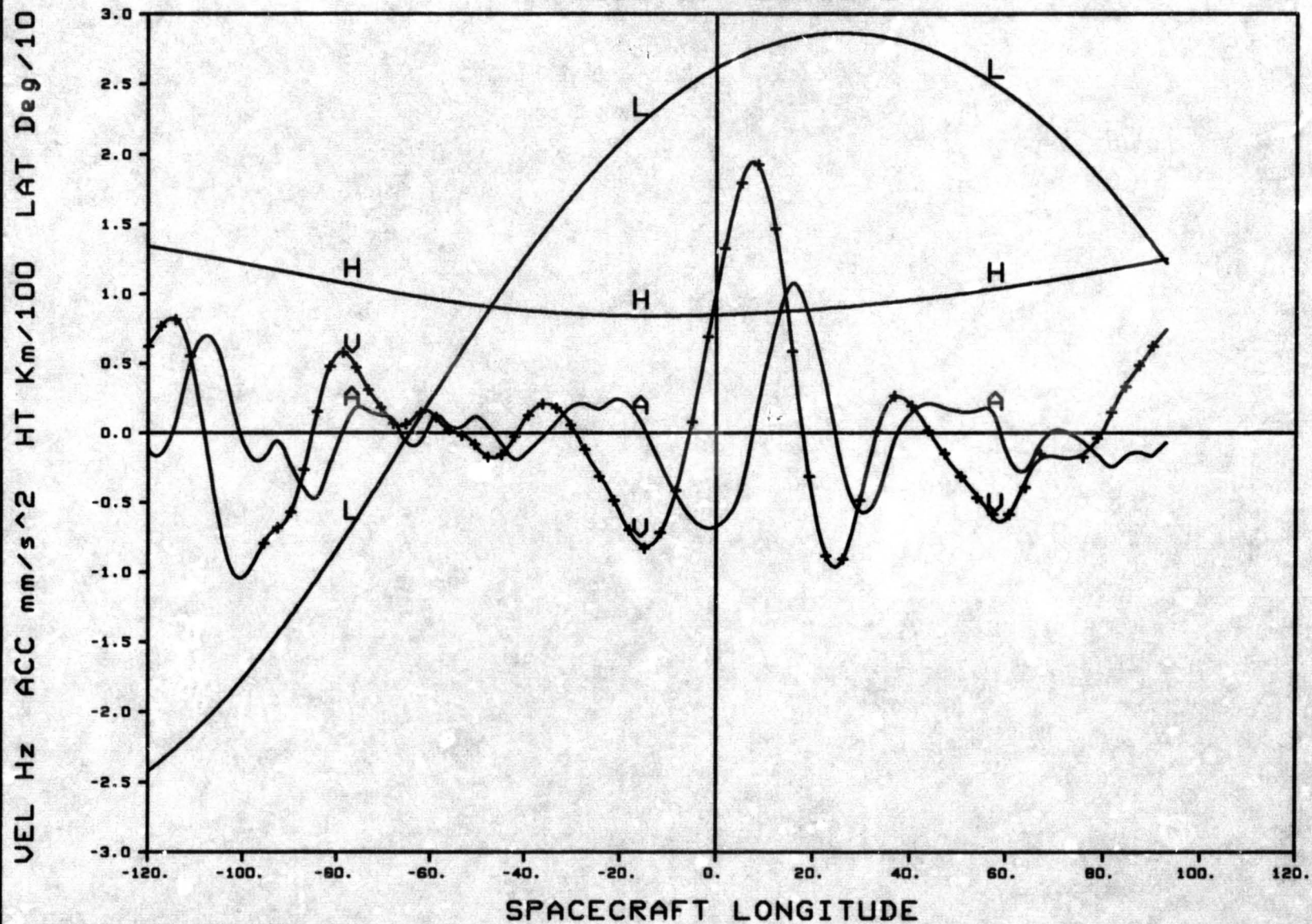
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



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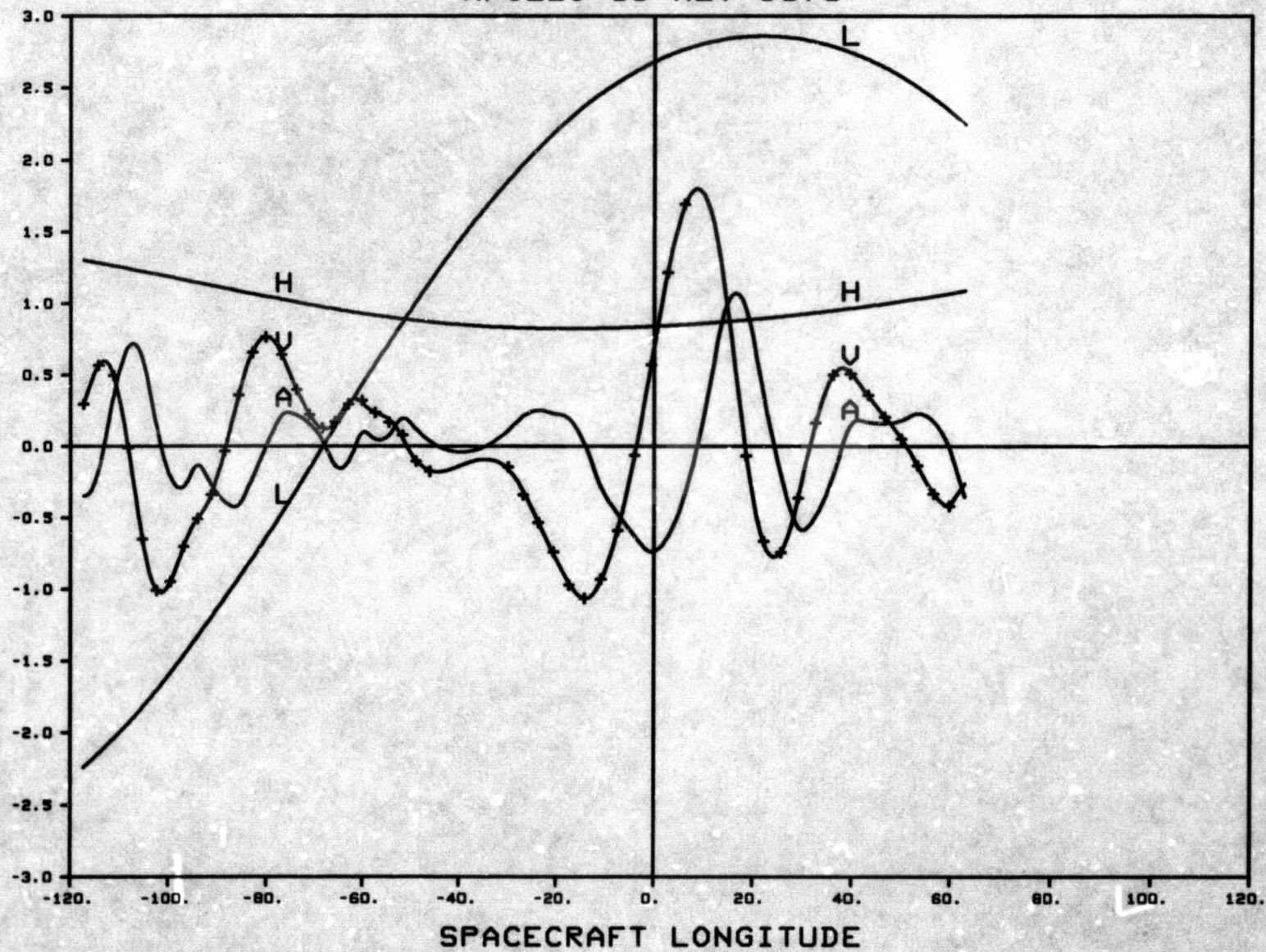


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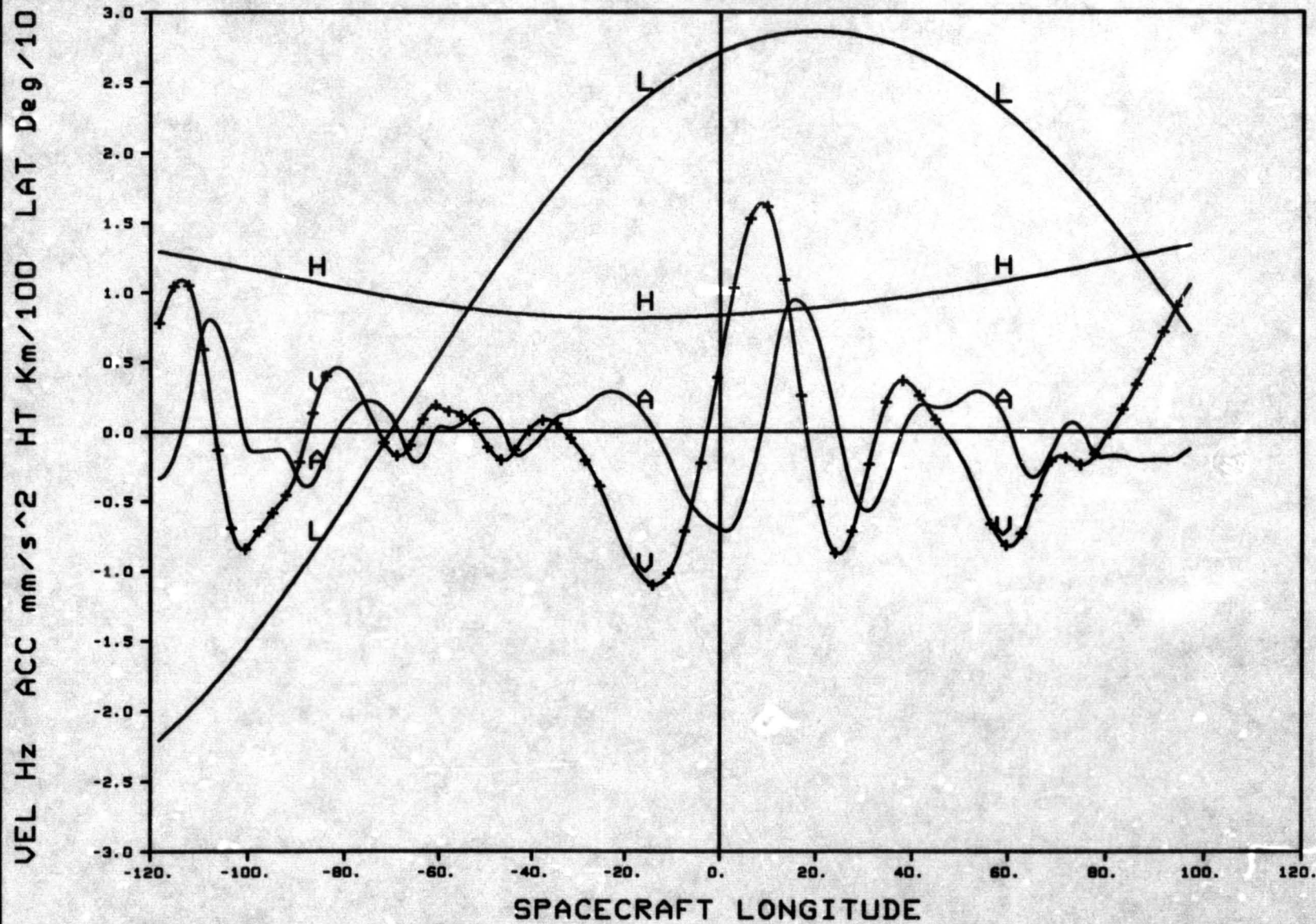


APOLLO 15 REV 5676

VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

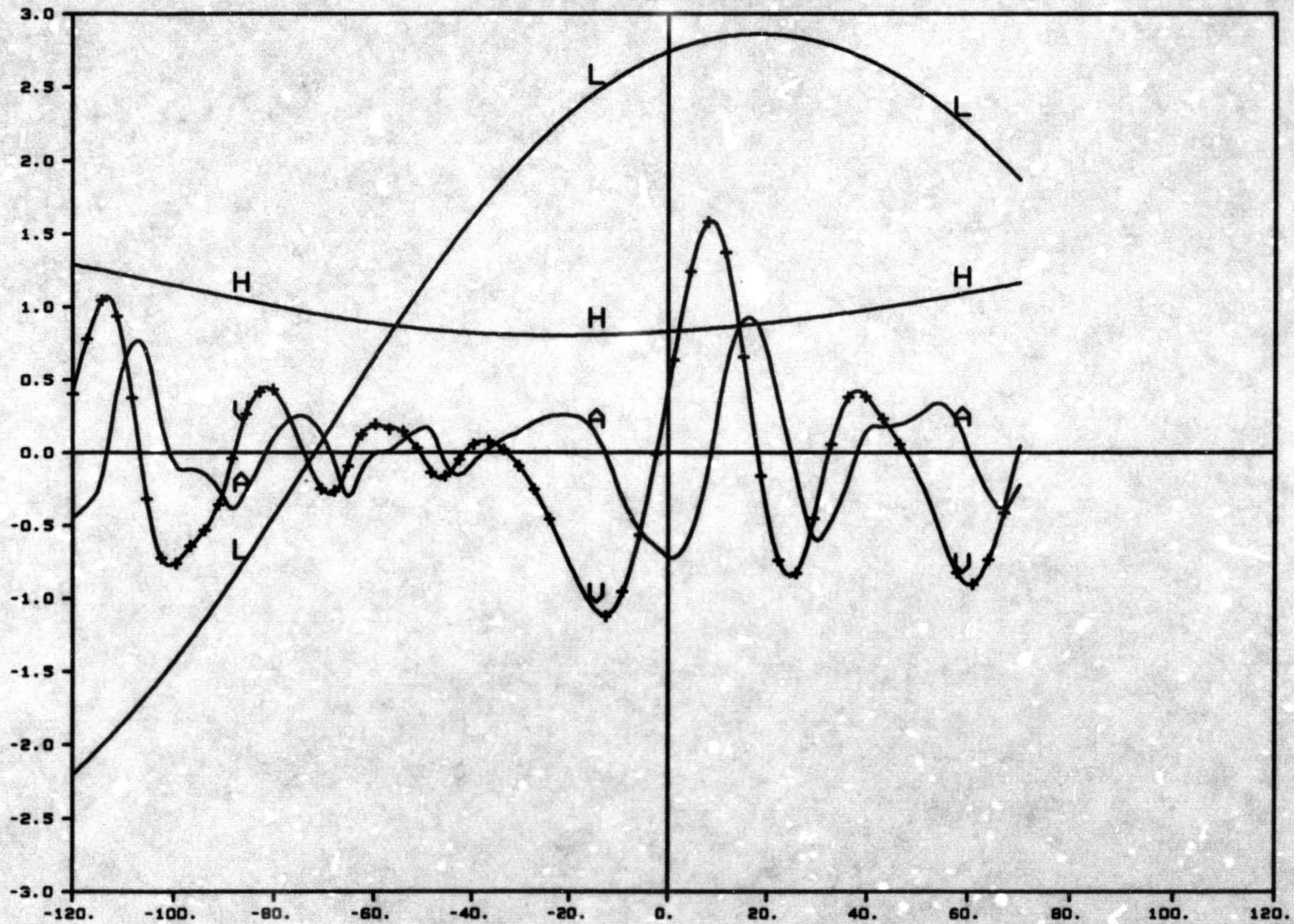


APOLLO 15 REV 5678



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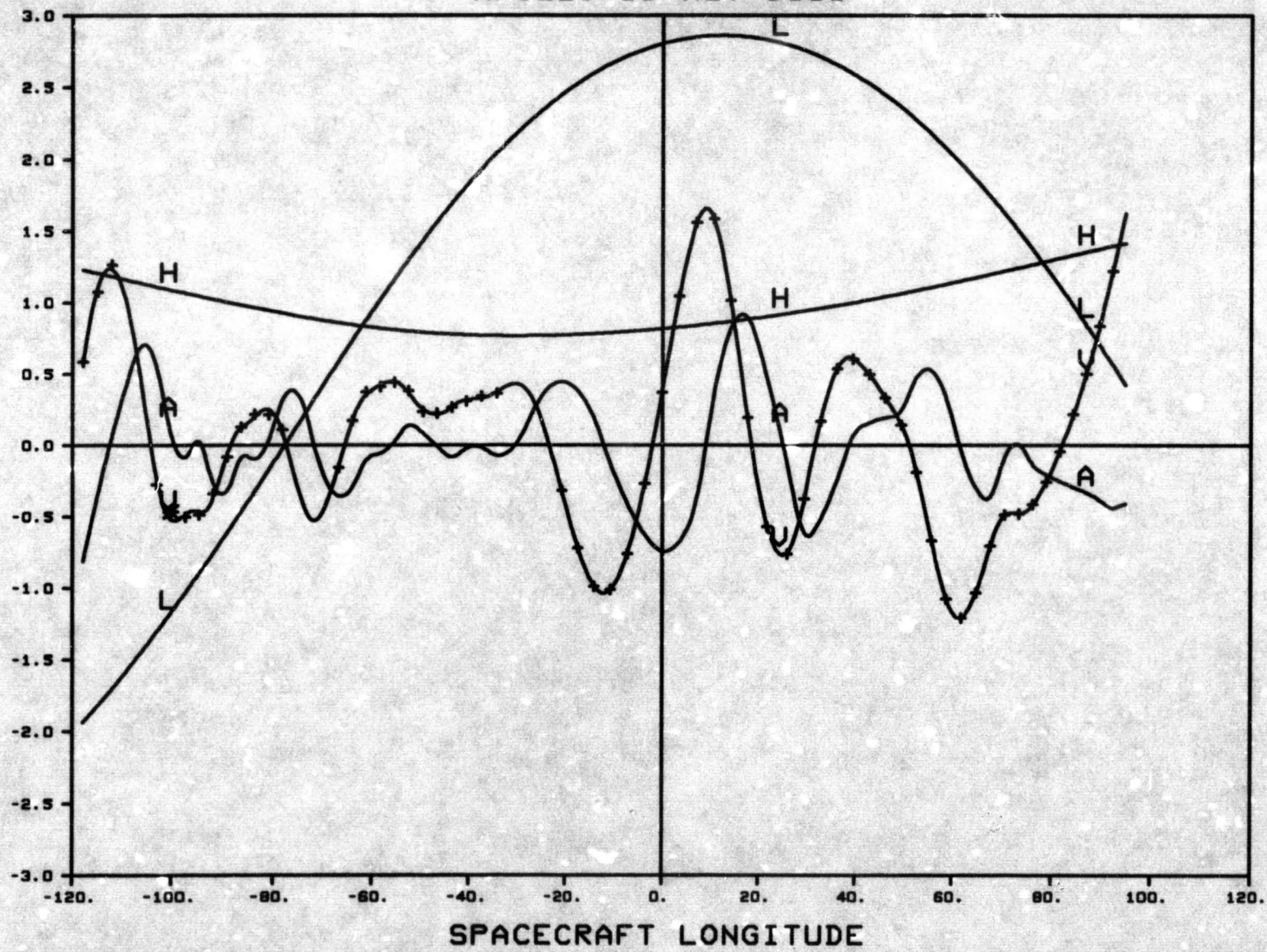
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



SPACECRAFT LONGITUDE

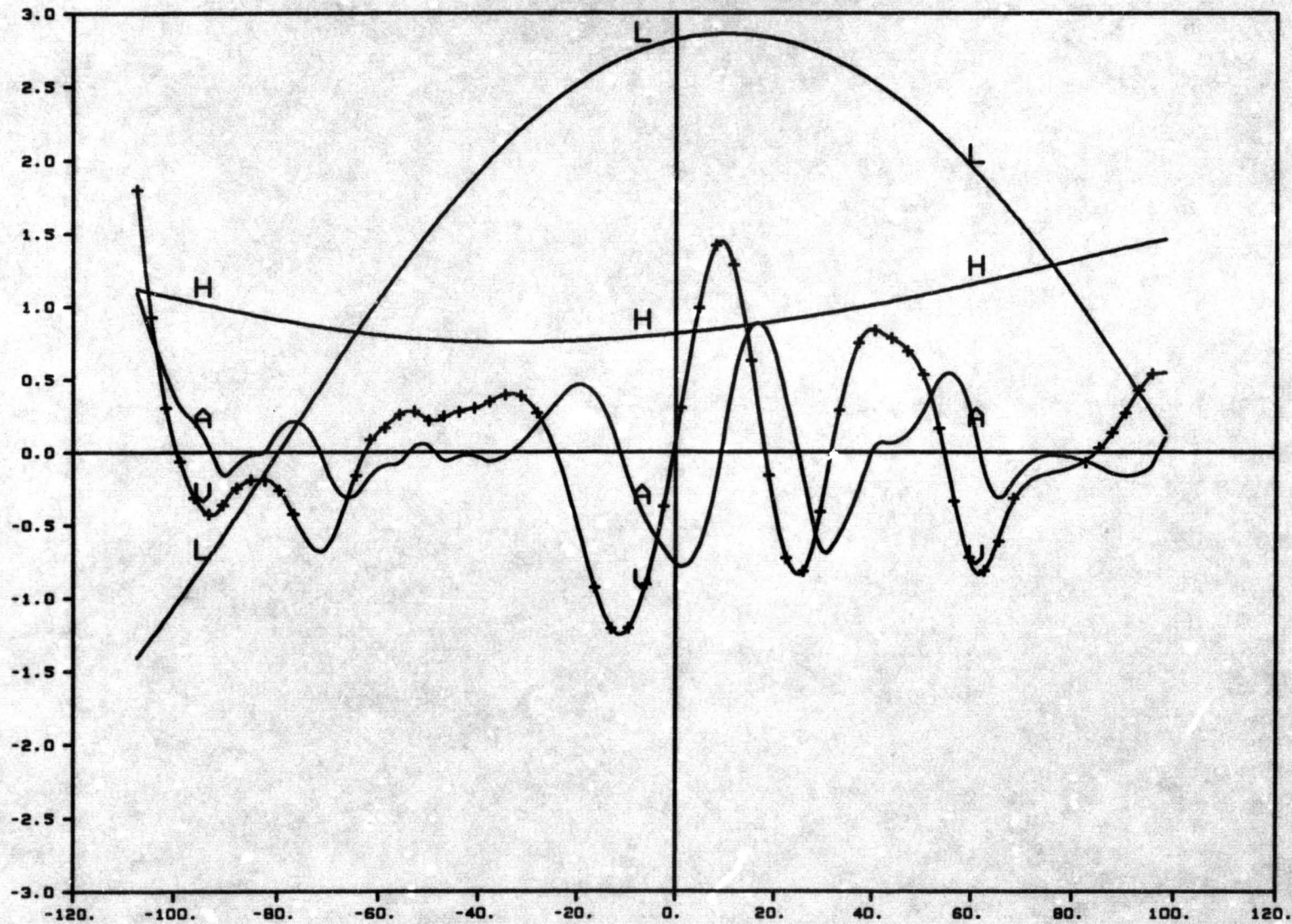
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



APOLLO 15 REV 5688

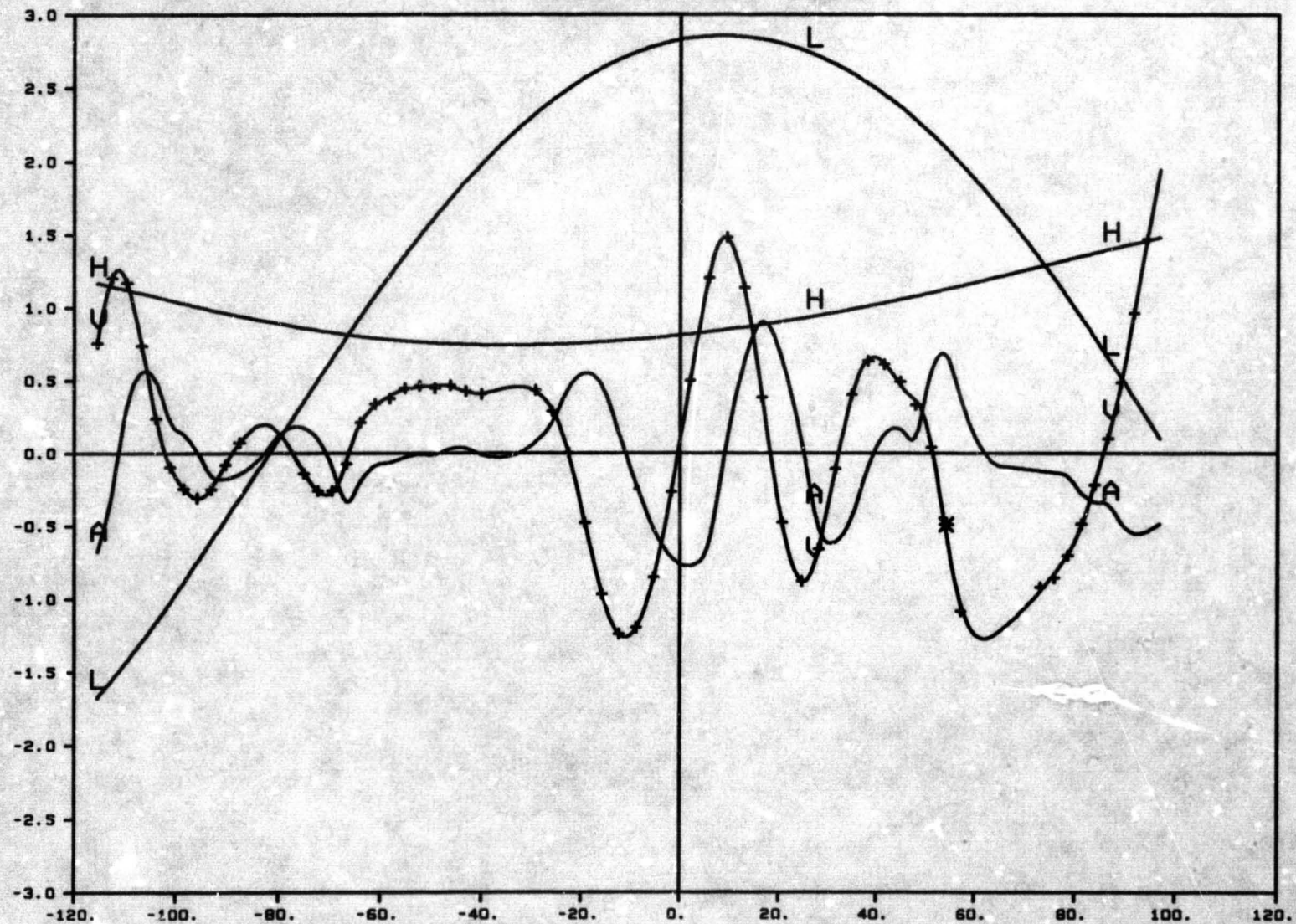
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



SPACECRAFT LONGITUDE

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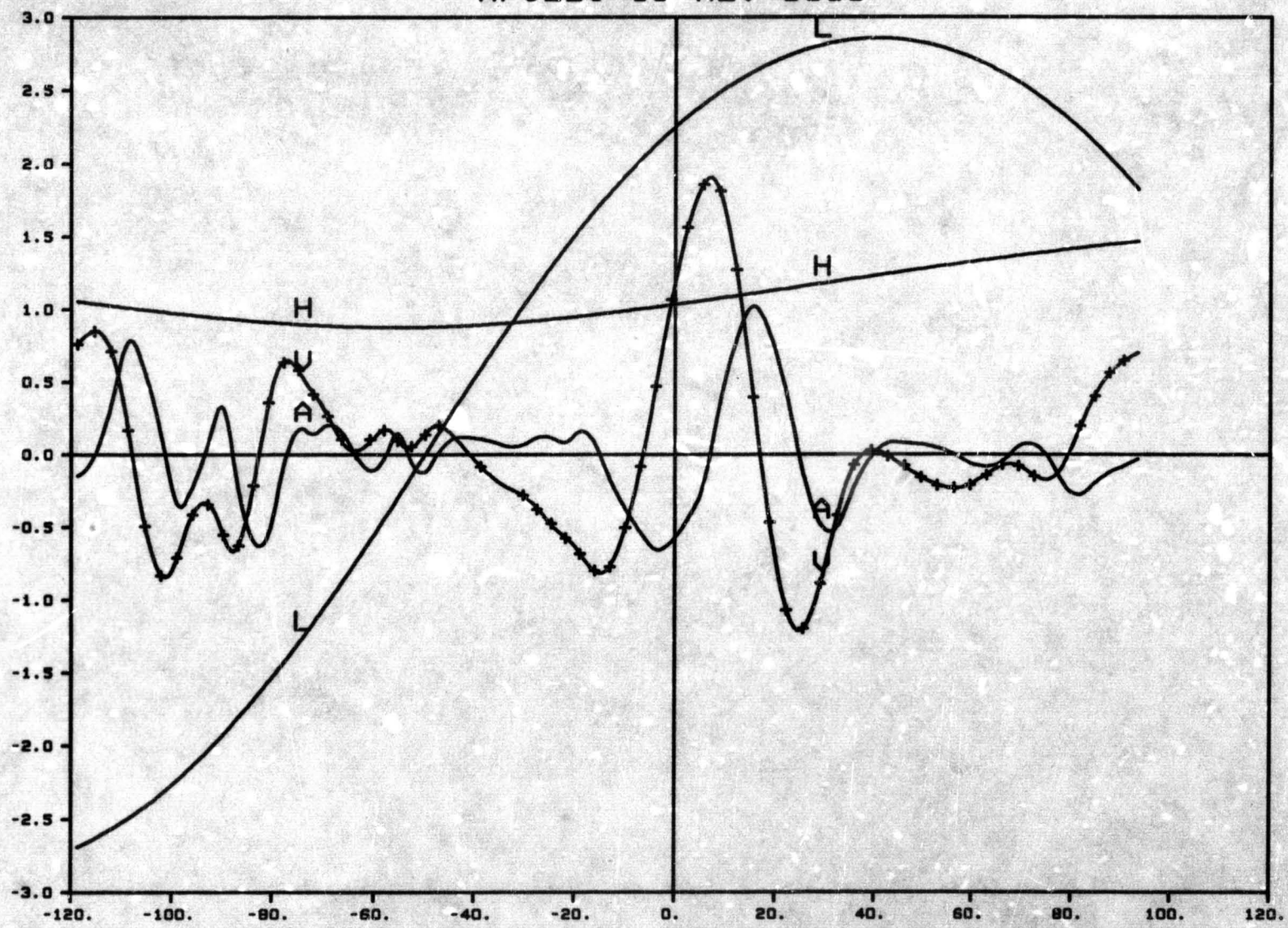
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



SPACECRAFT LONGITUDE

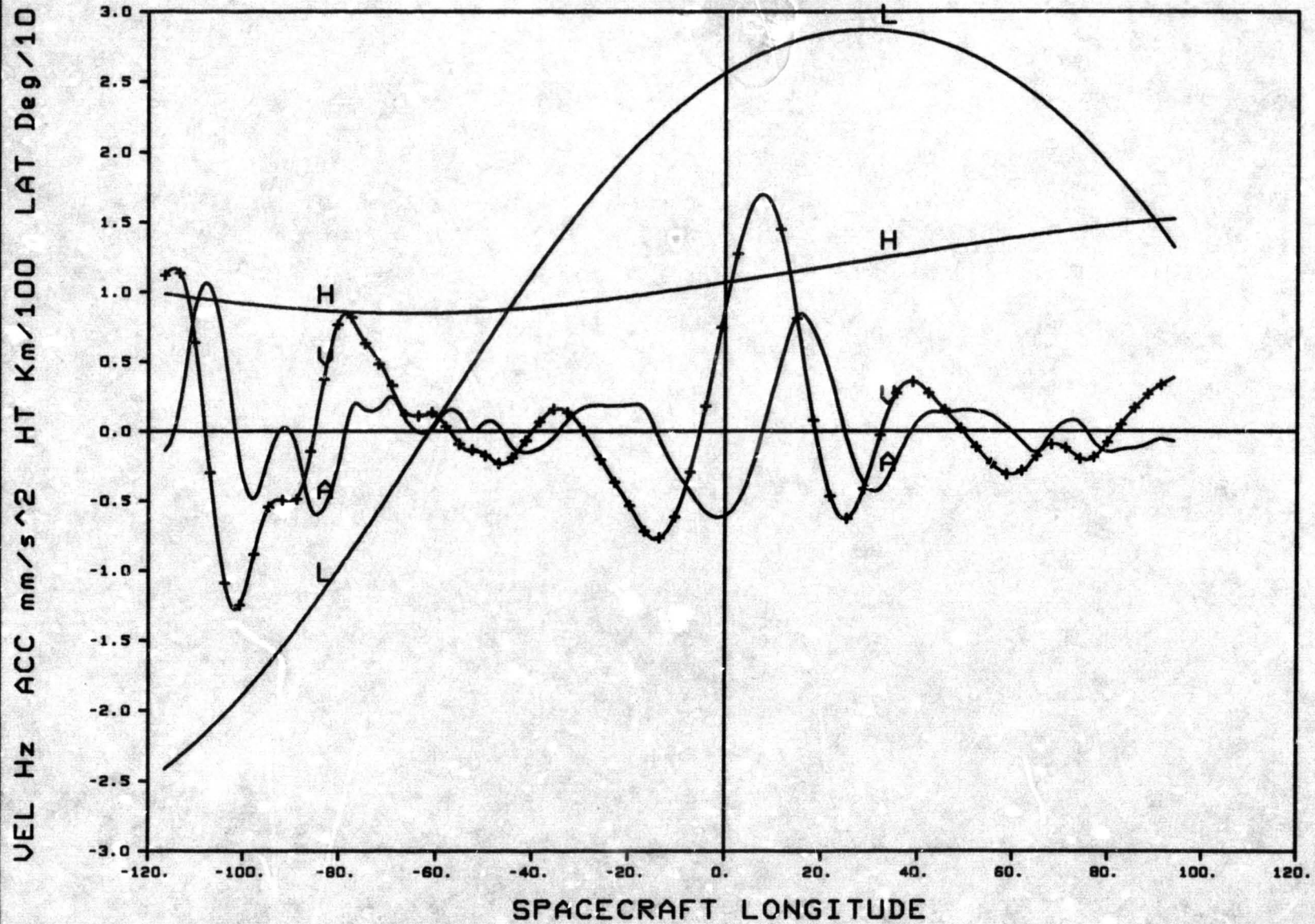
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



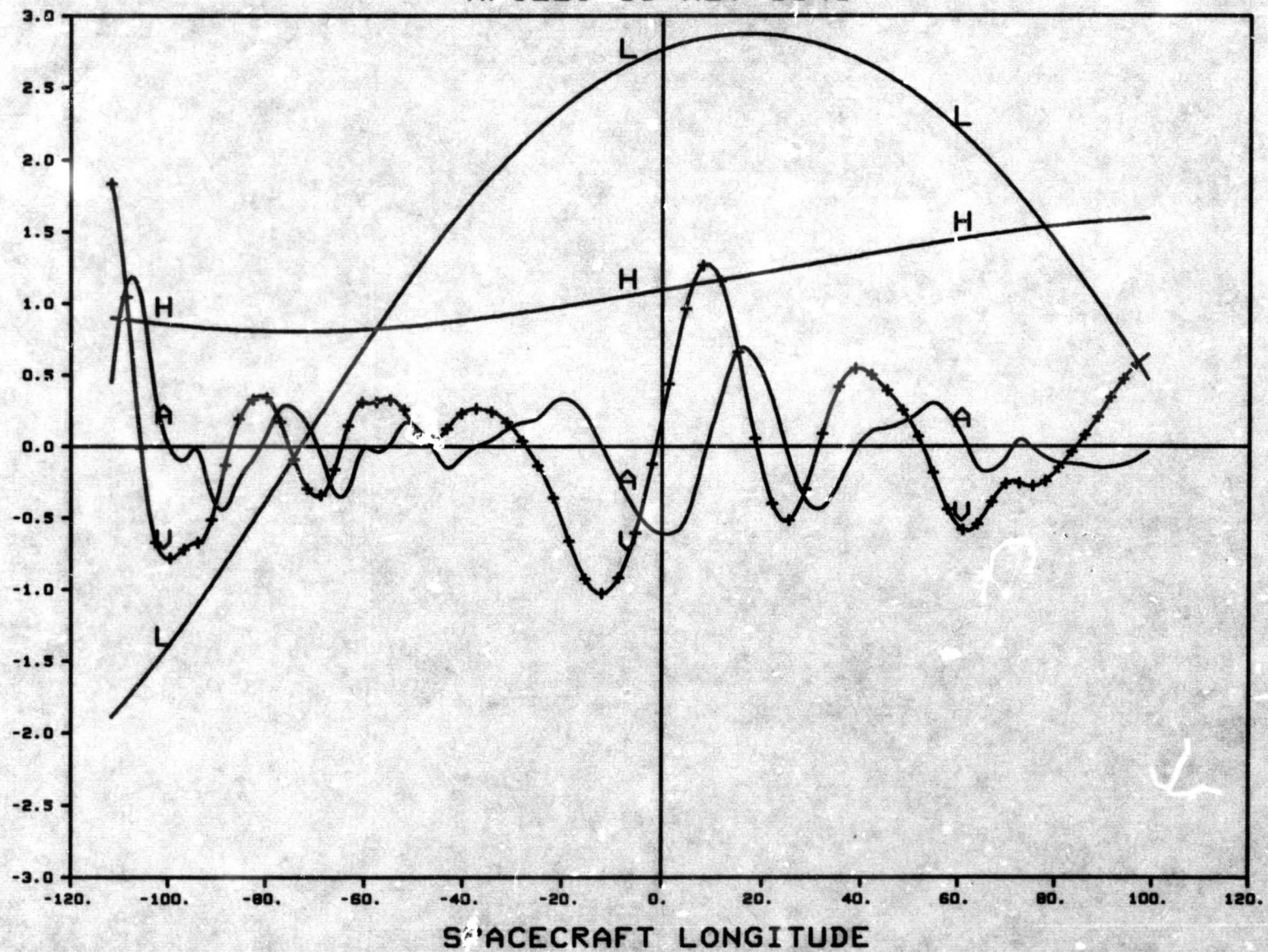
SPACECRAFT LONGITUDE

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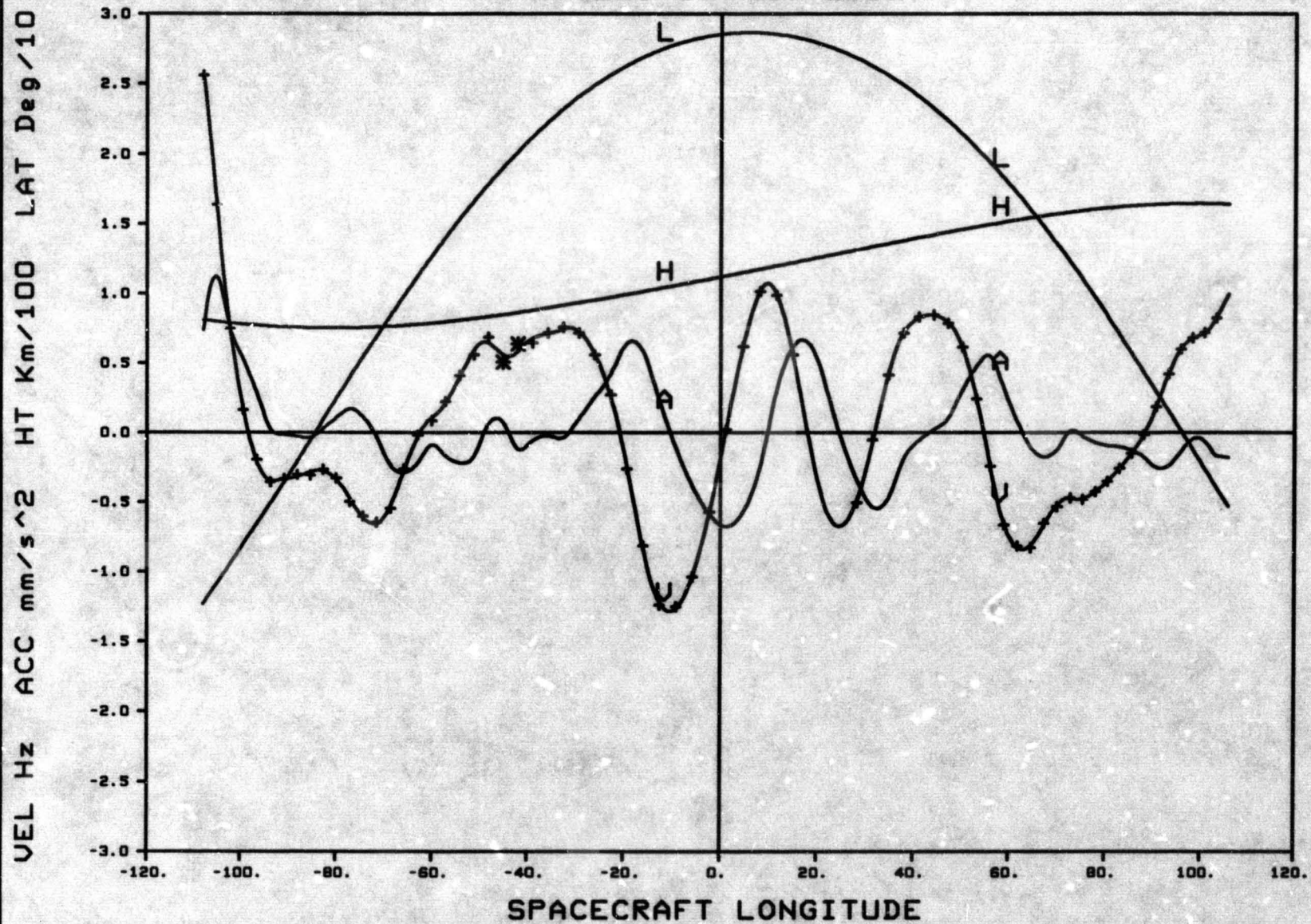


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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

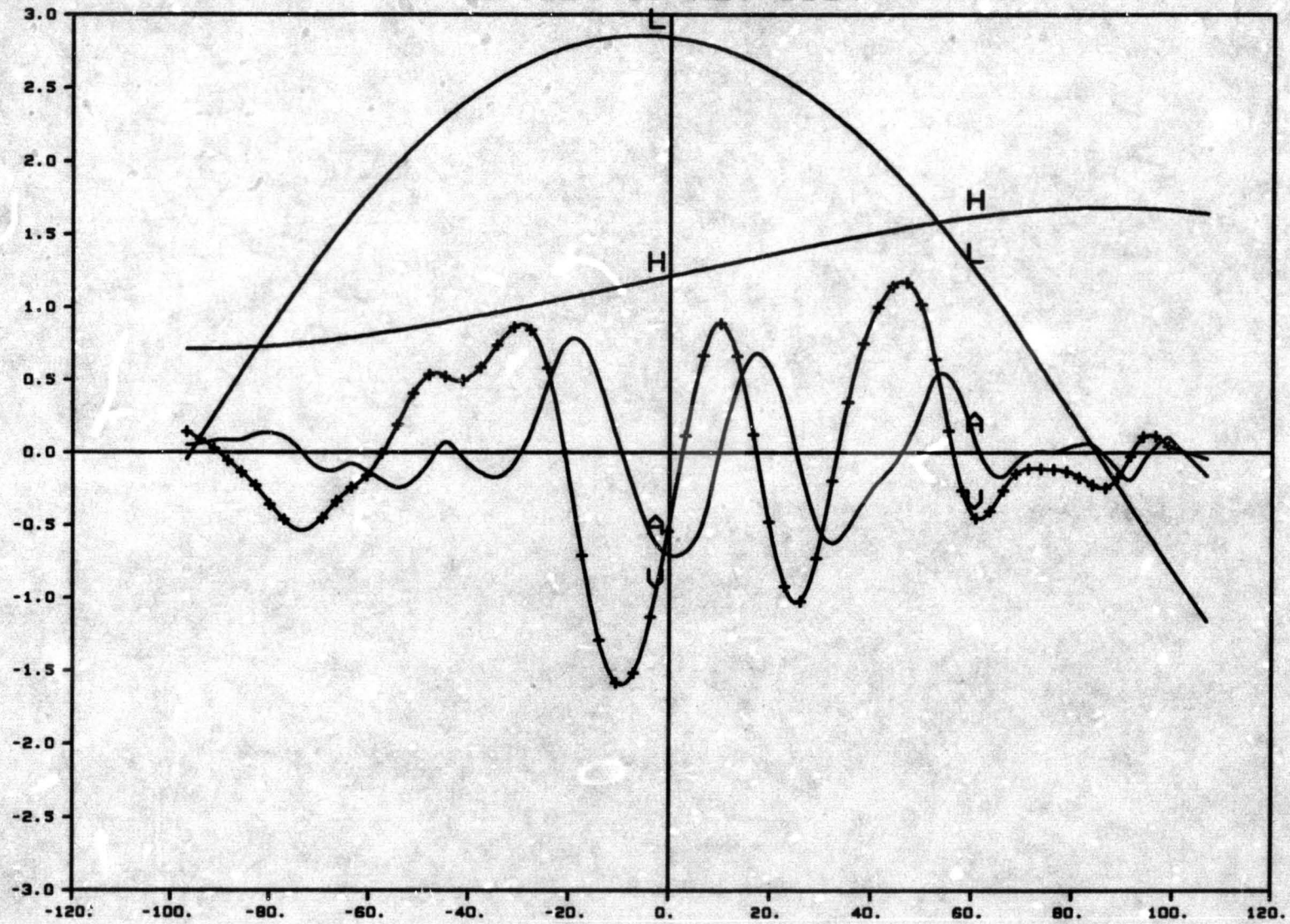


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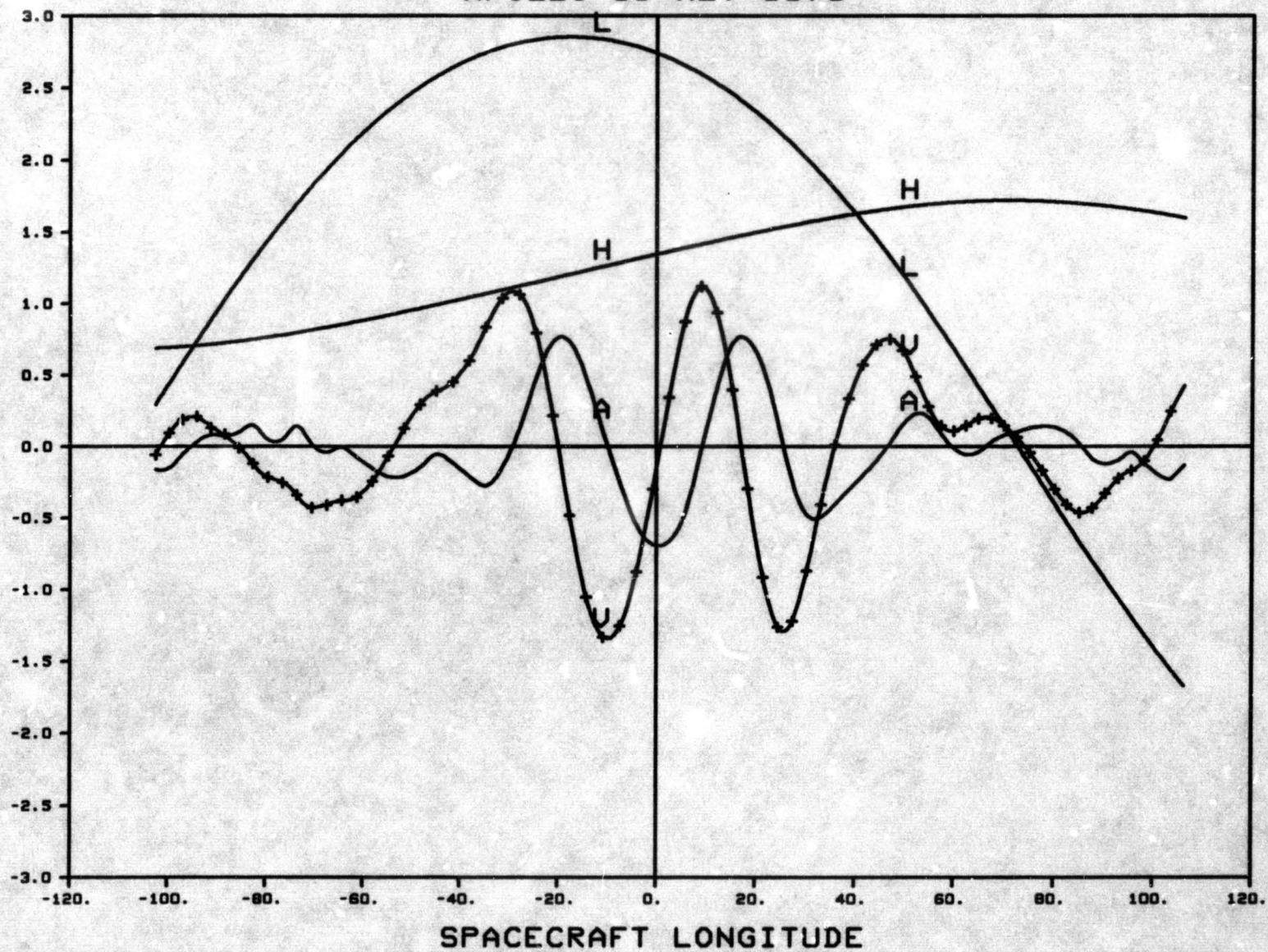
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



SPACECRAFT LONGITUDE

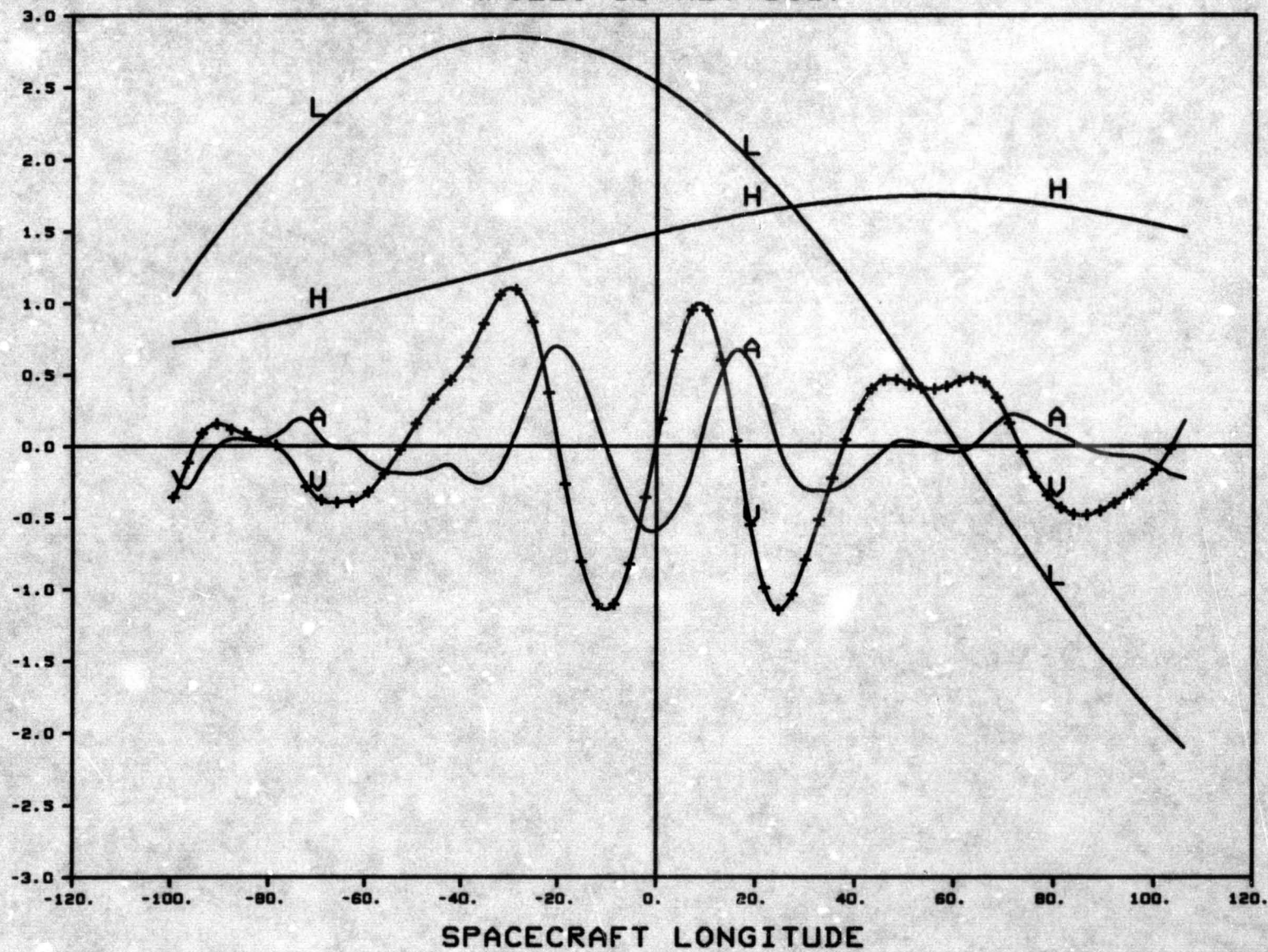
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



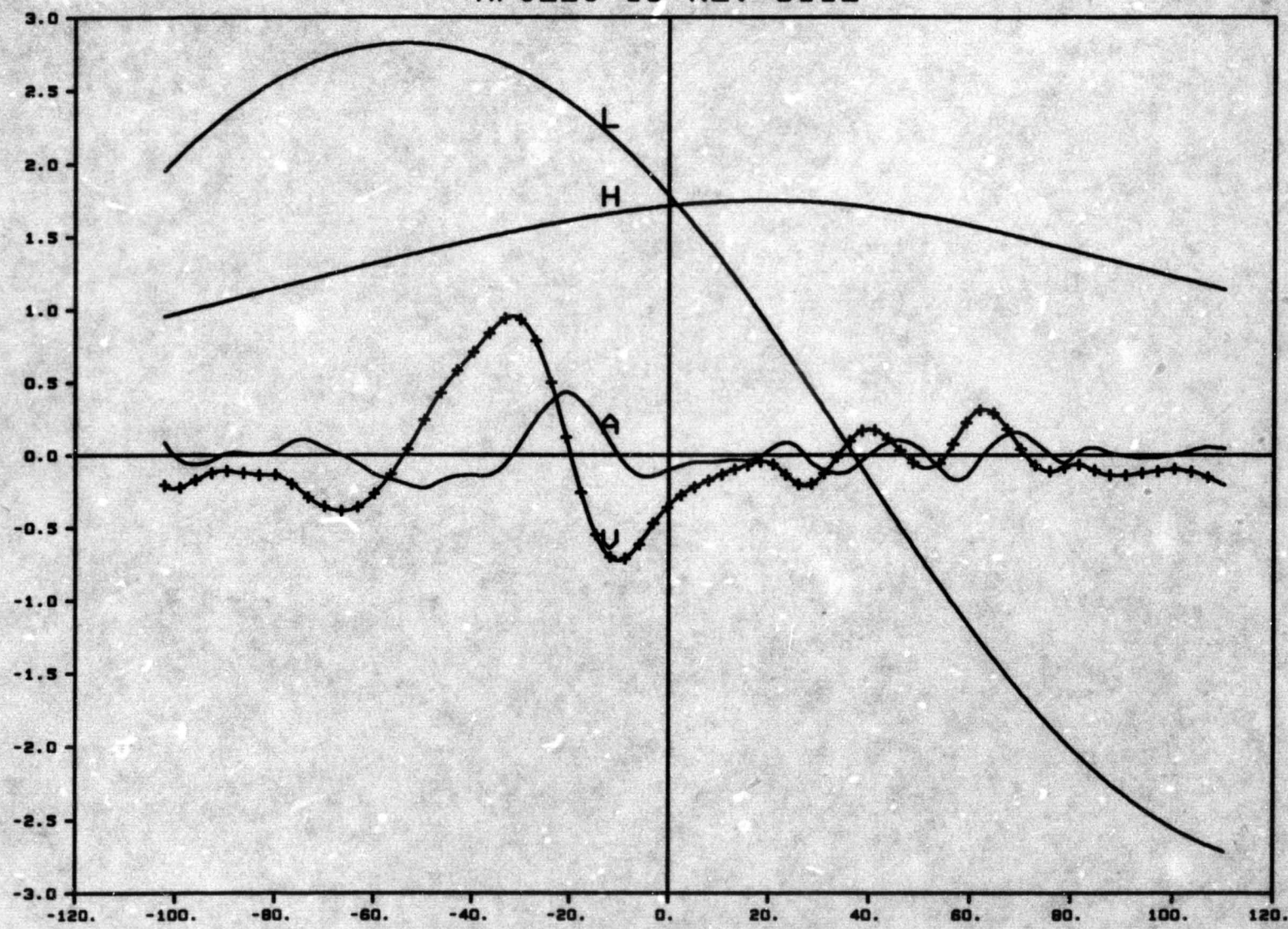
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



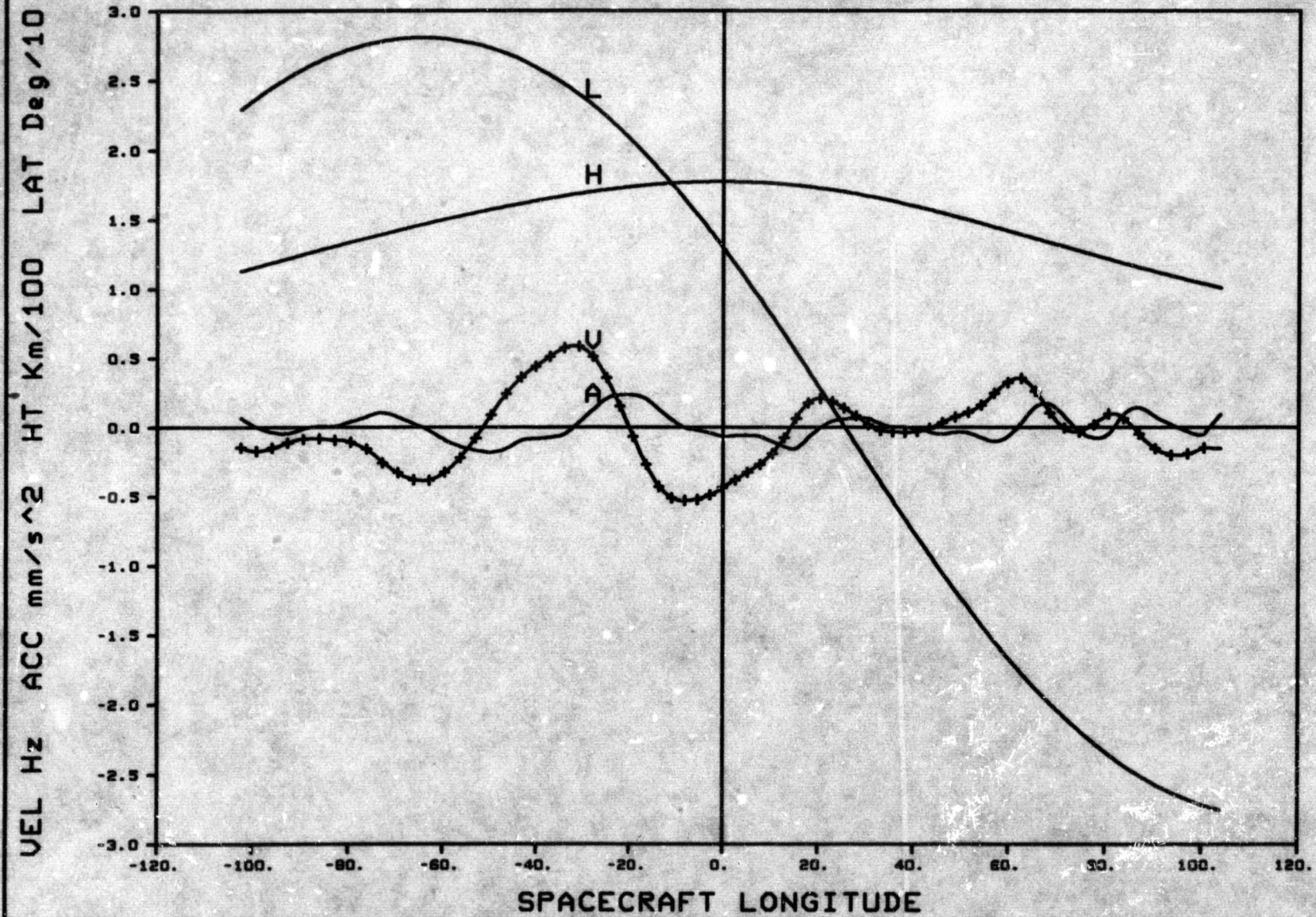
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

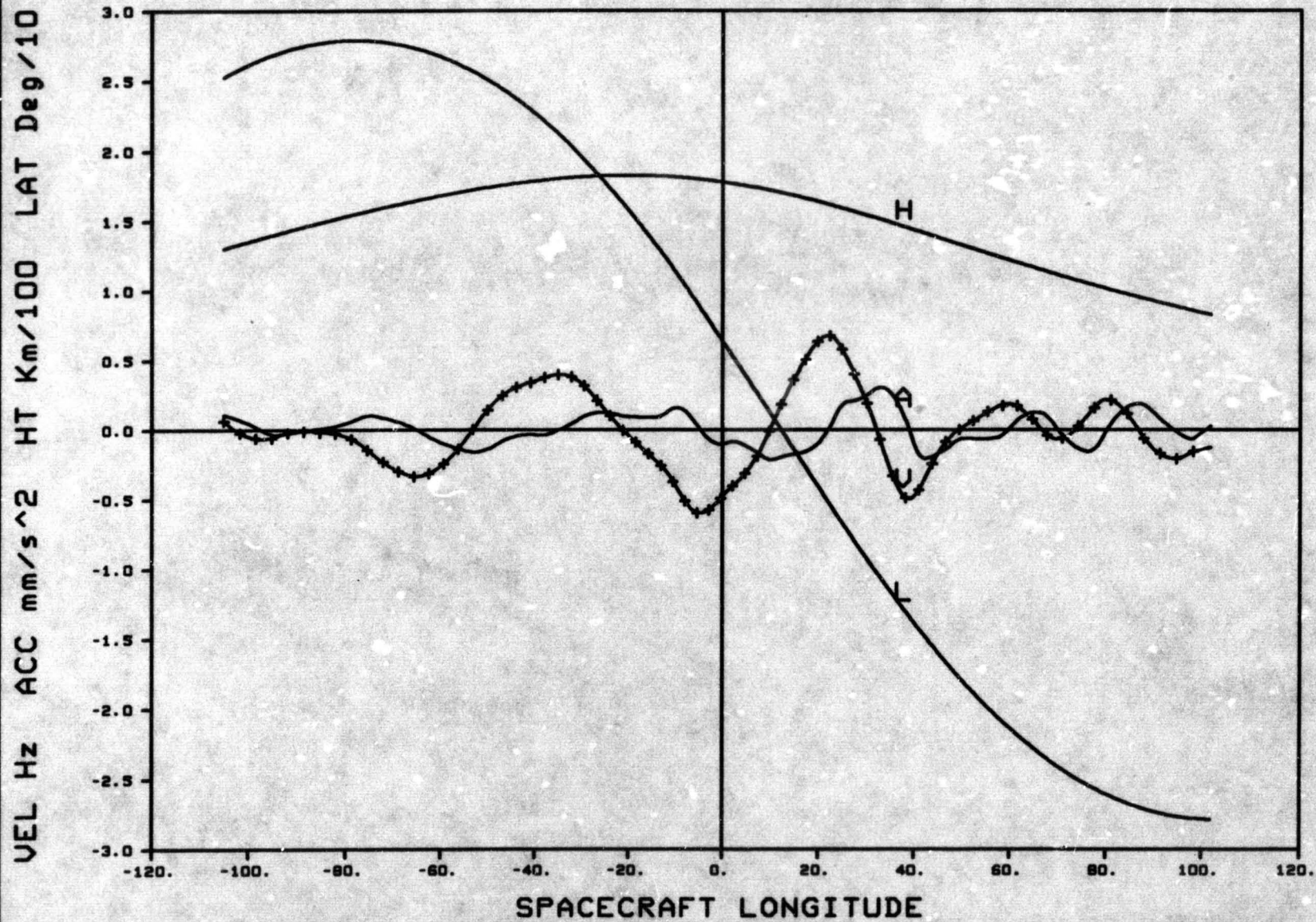


SPACECRAFT LONGITUDE

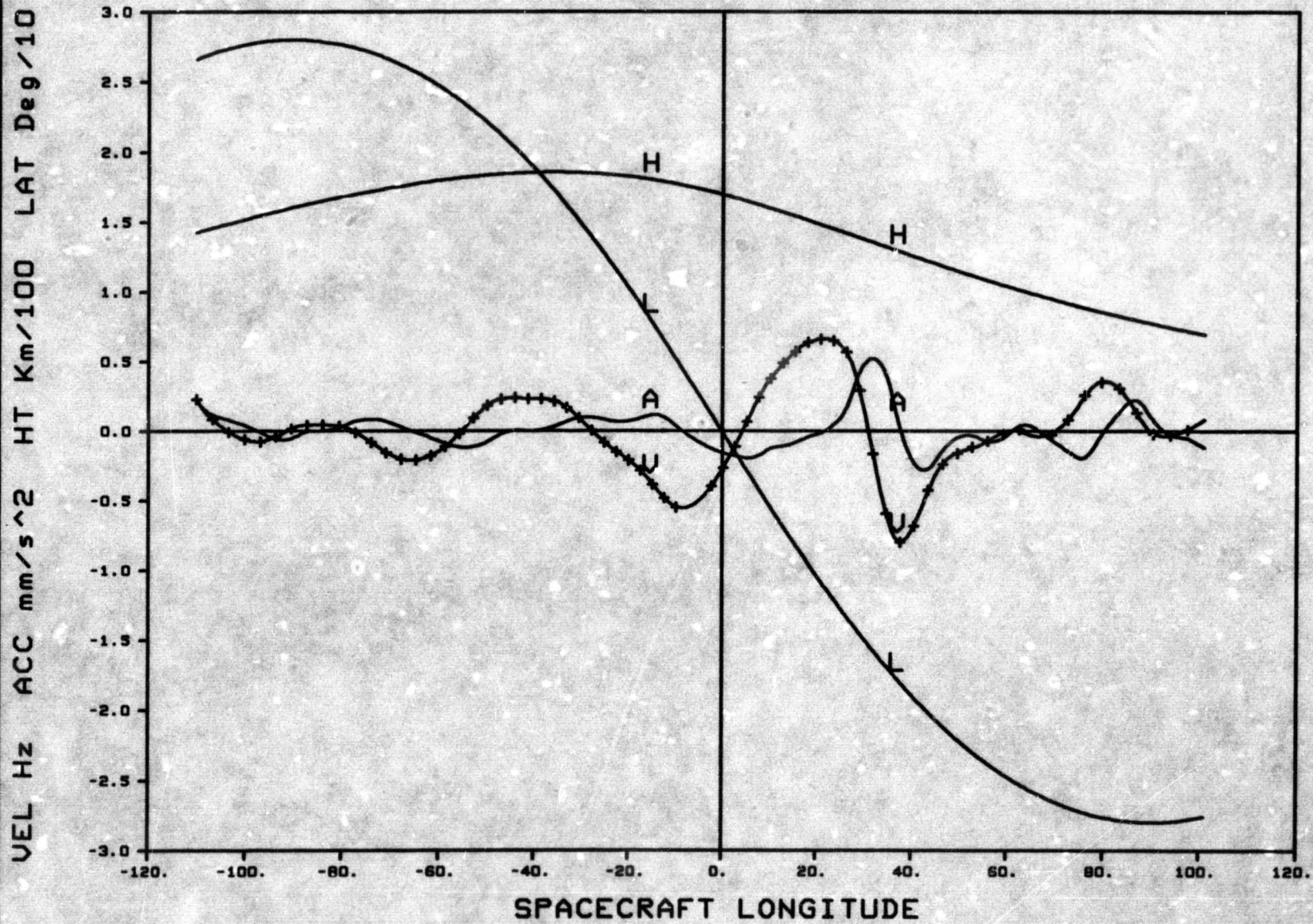
AFOLLO 15 REV 6124



APOLLO 15 REV 6136

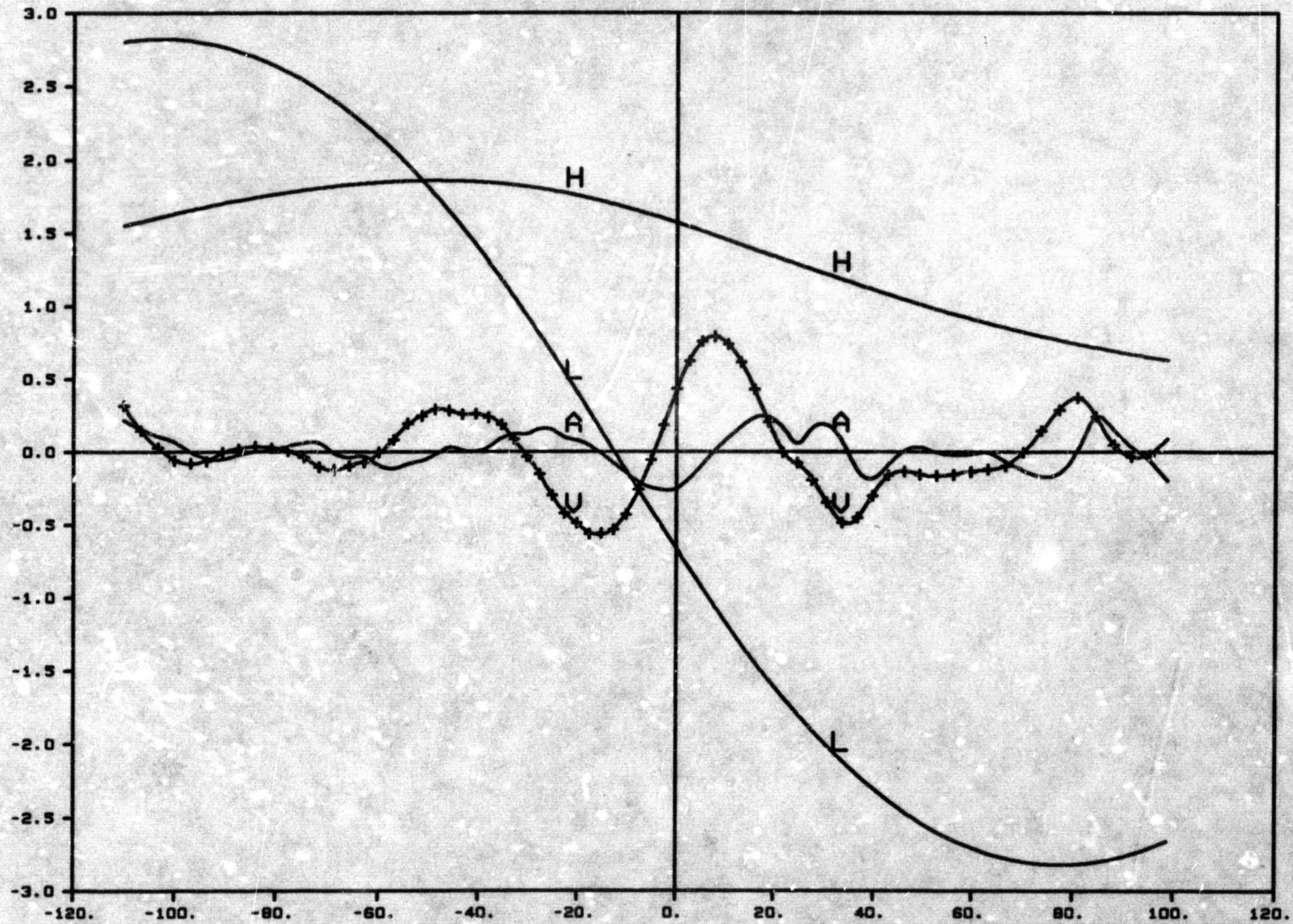


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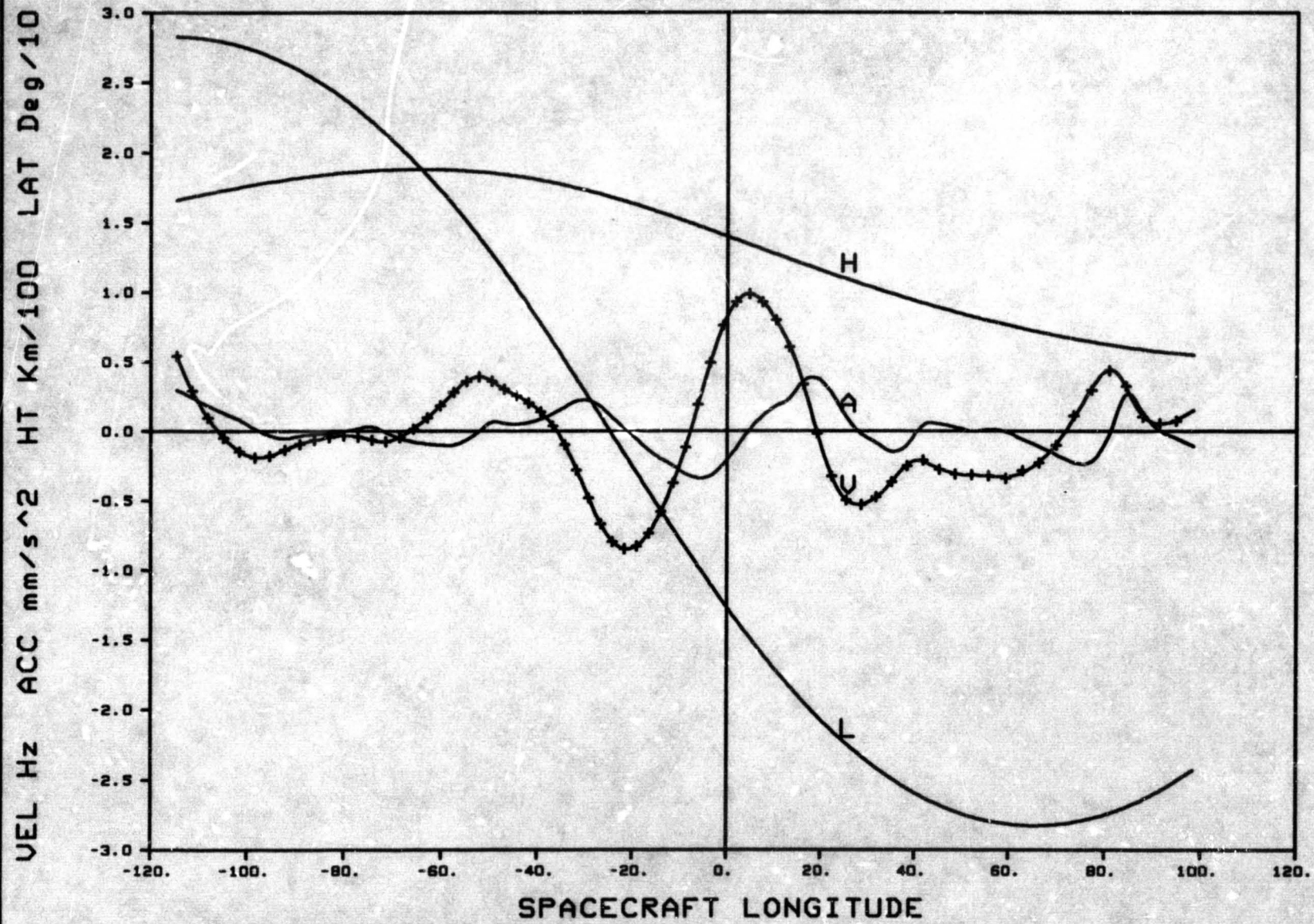
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

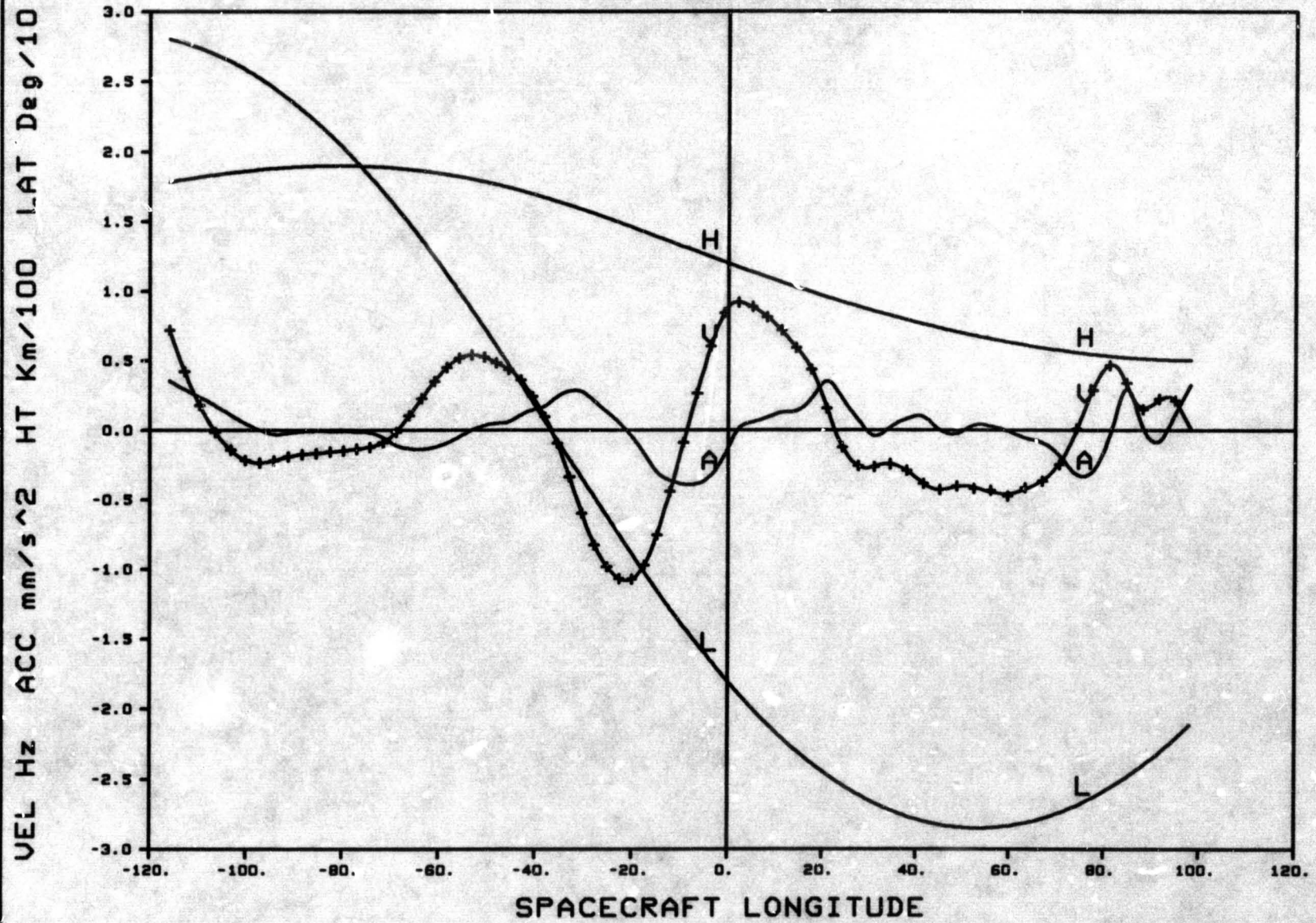


SPACECRAFT LONGITUDE

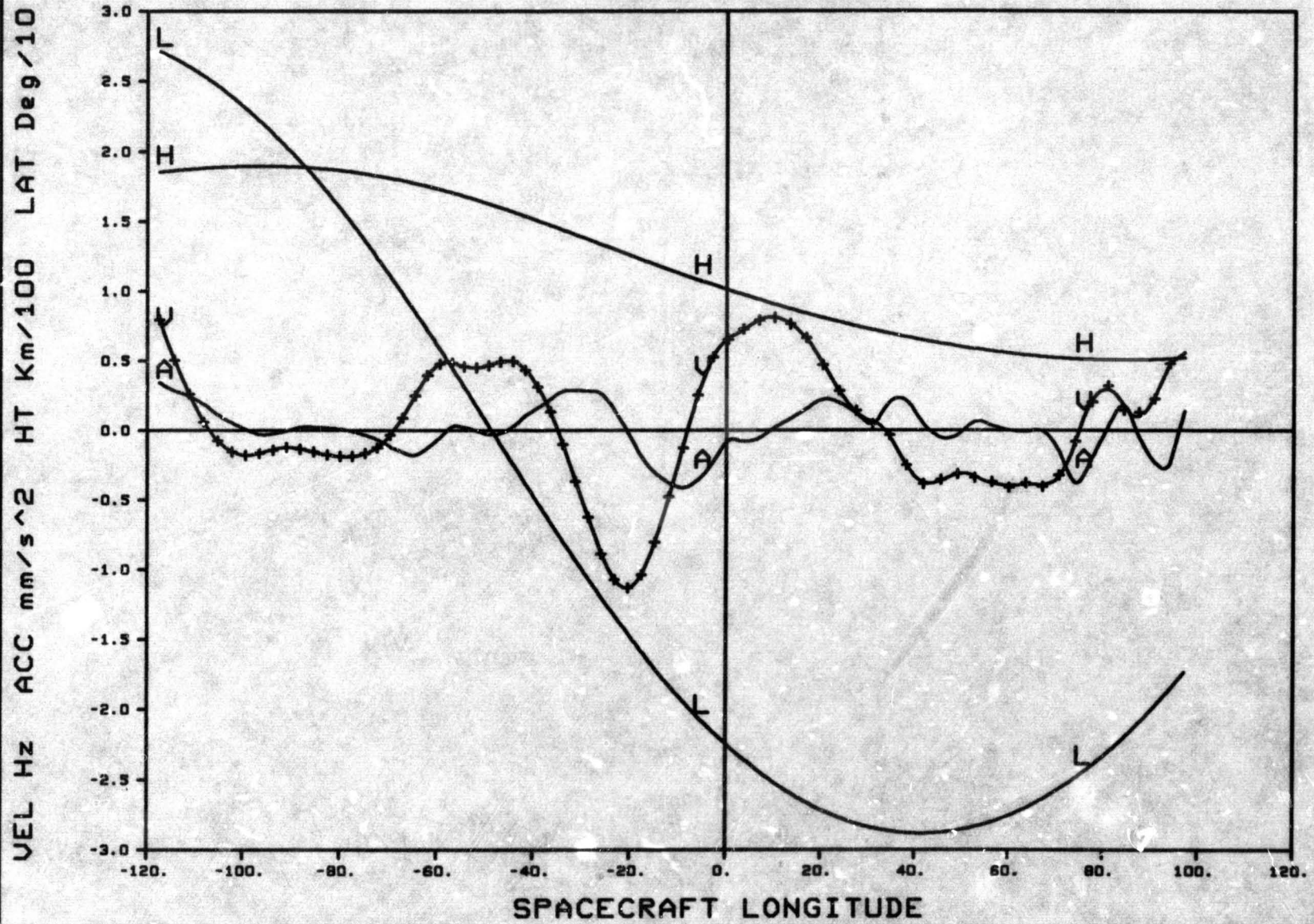
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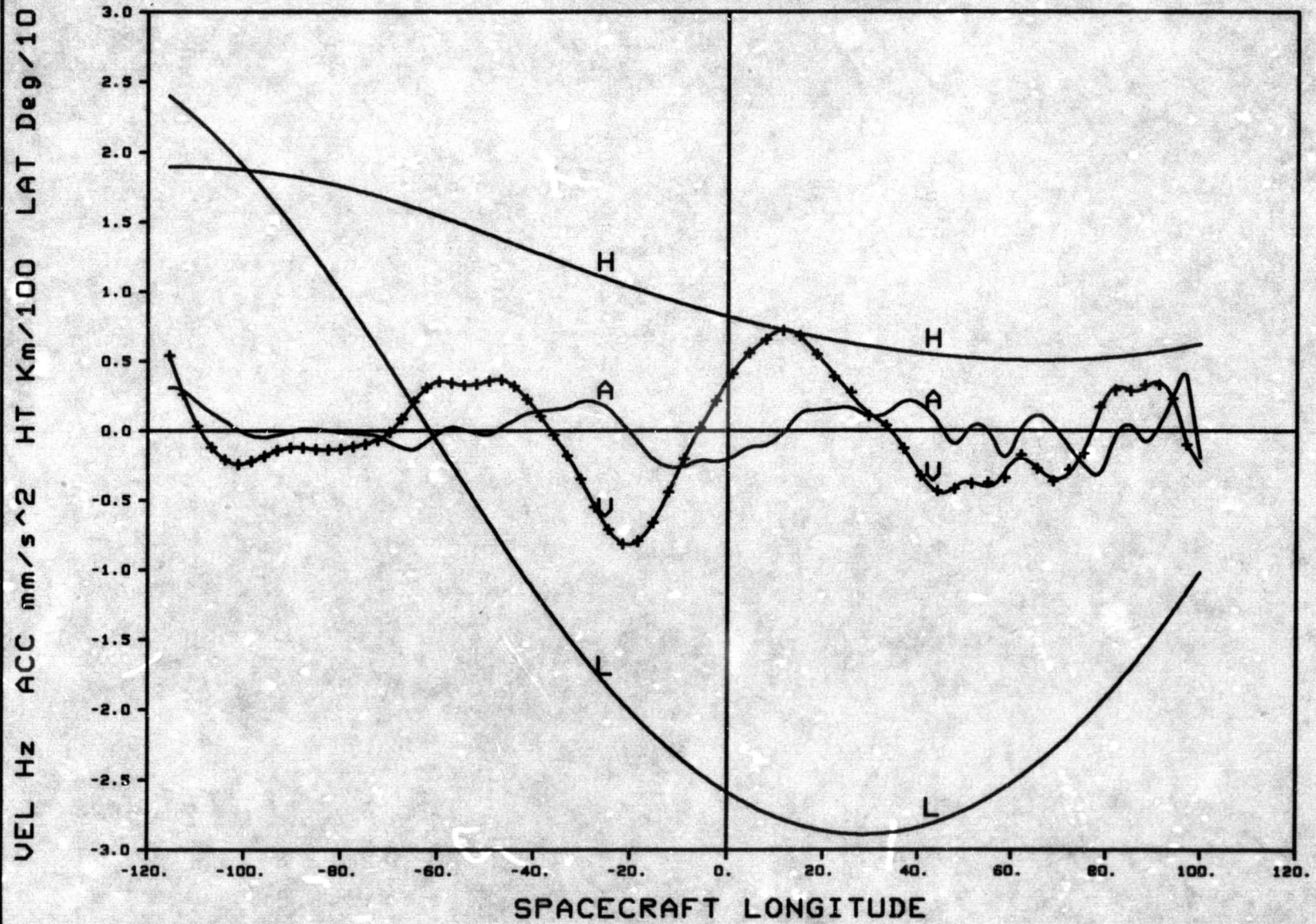
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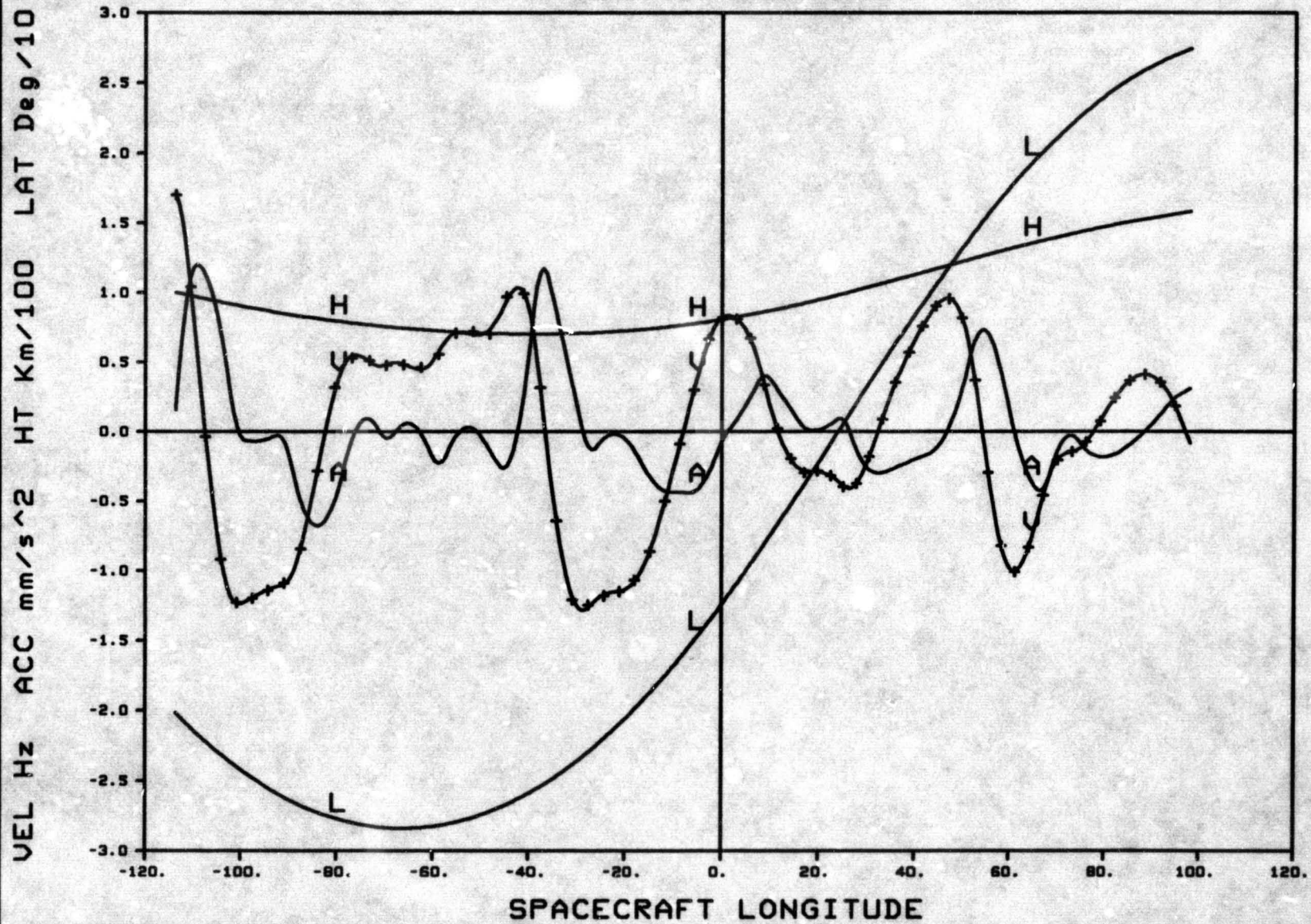
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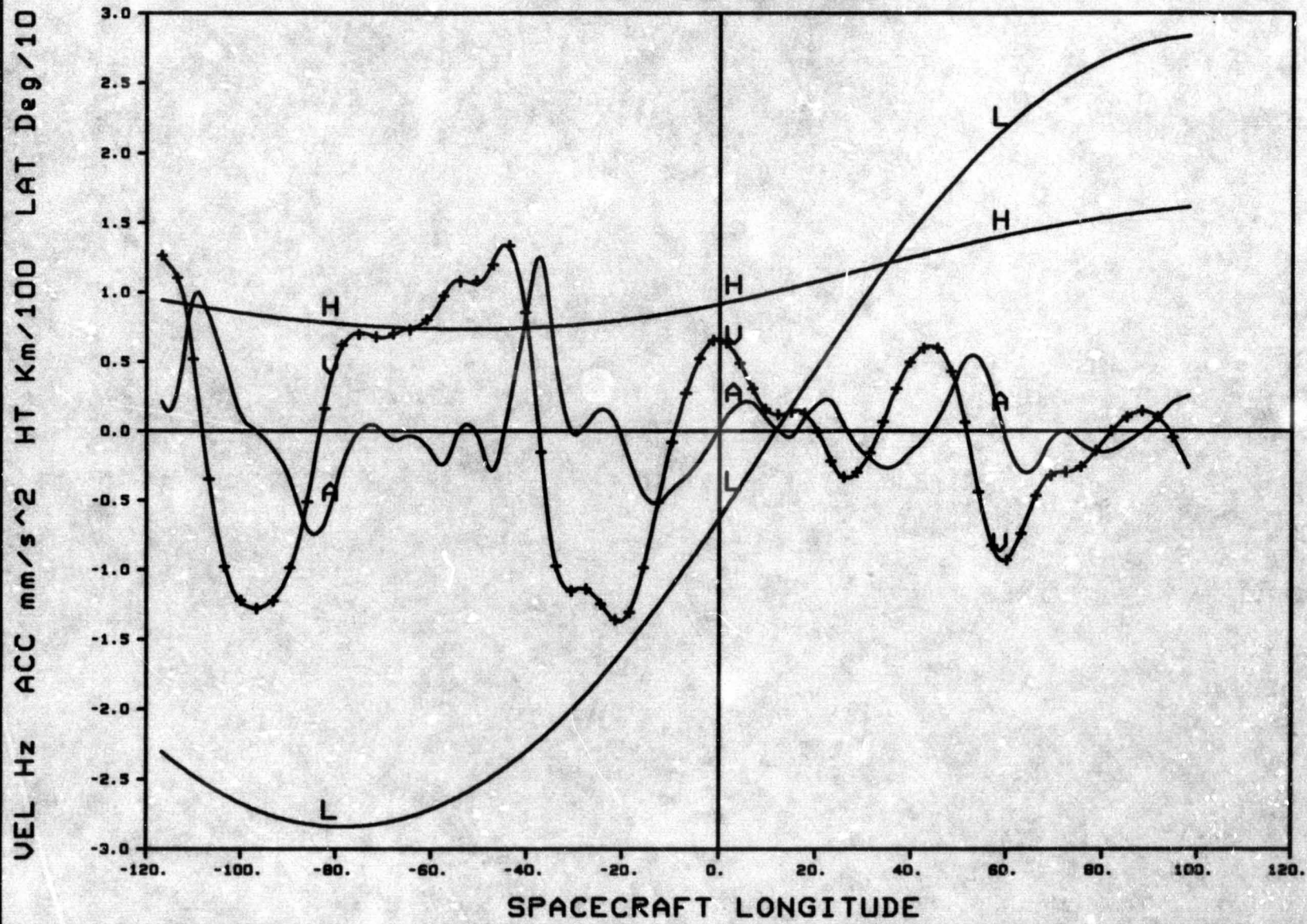
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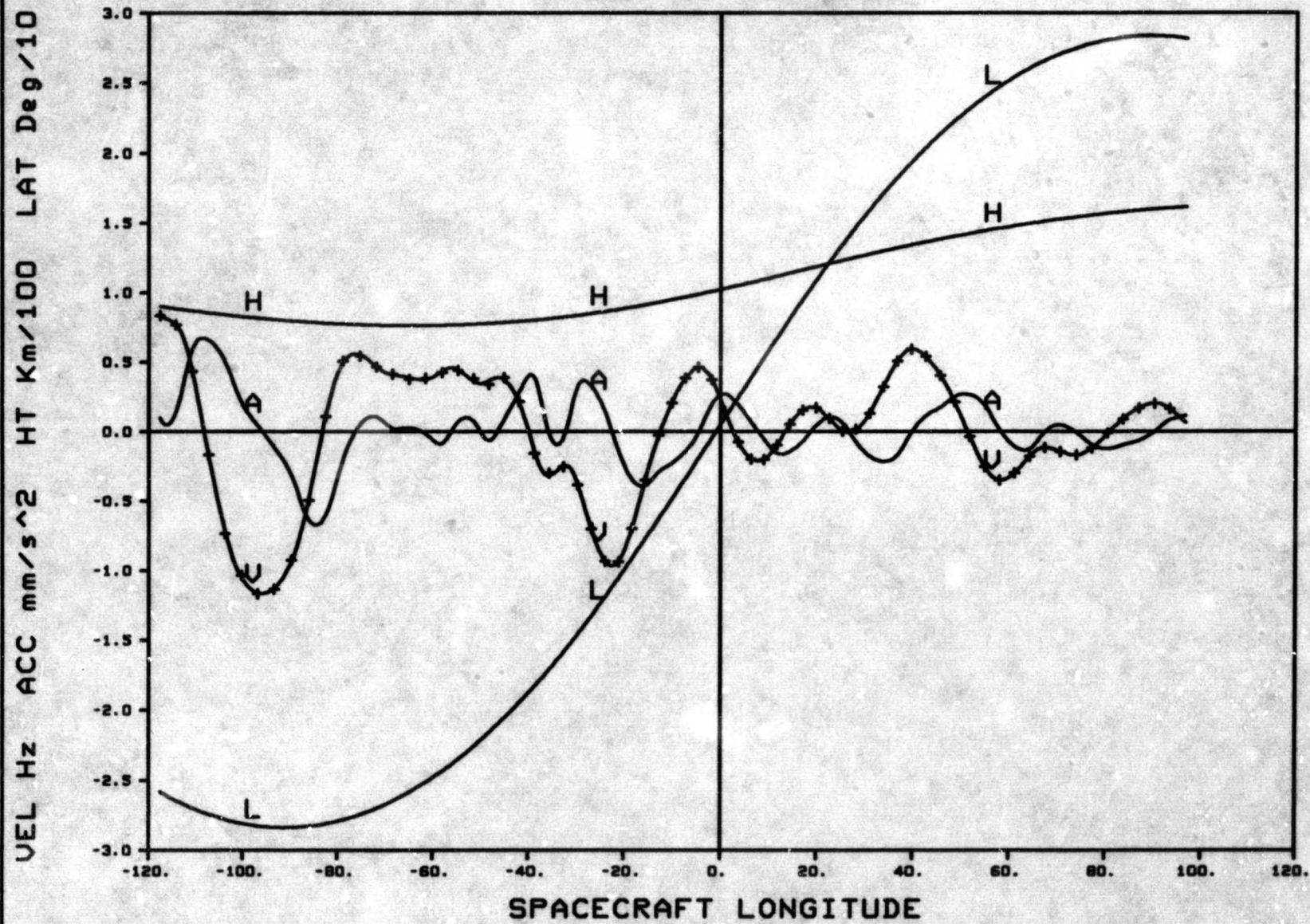
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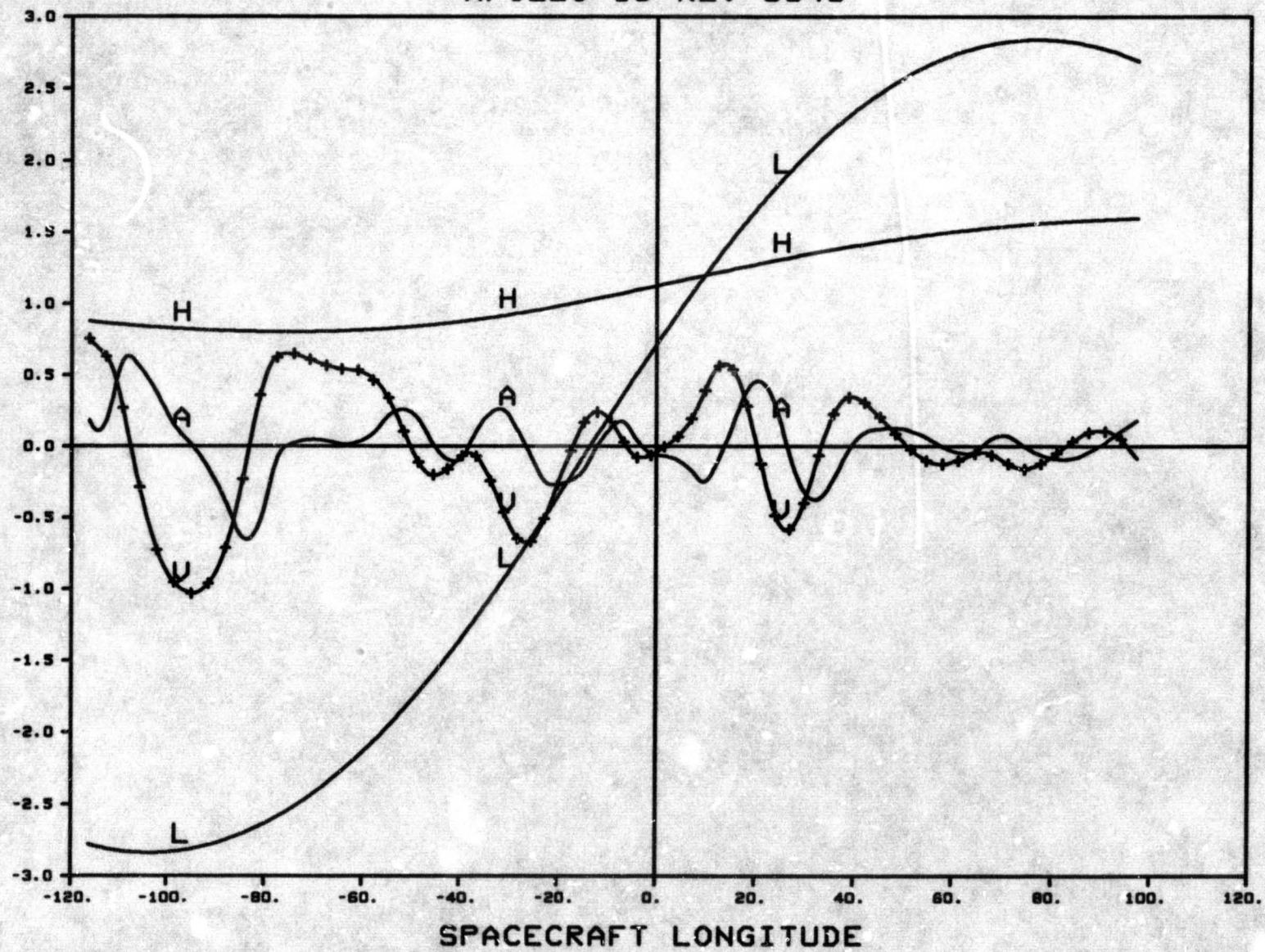


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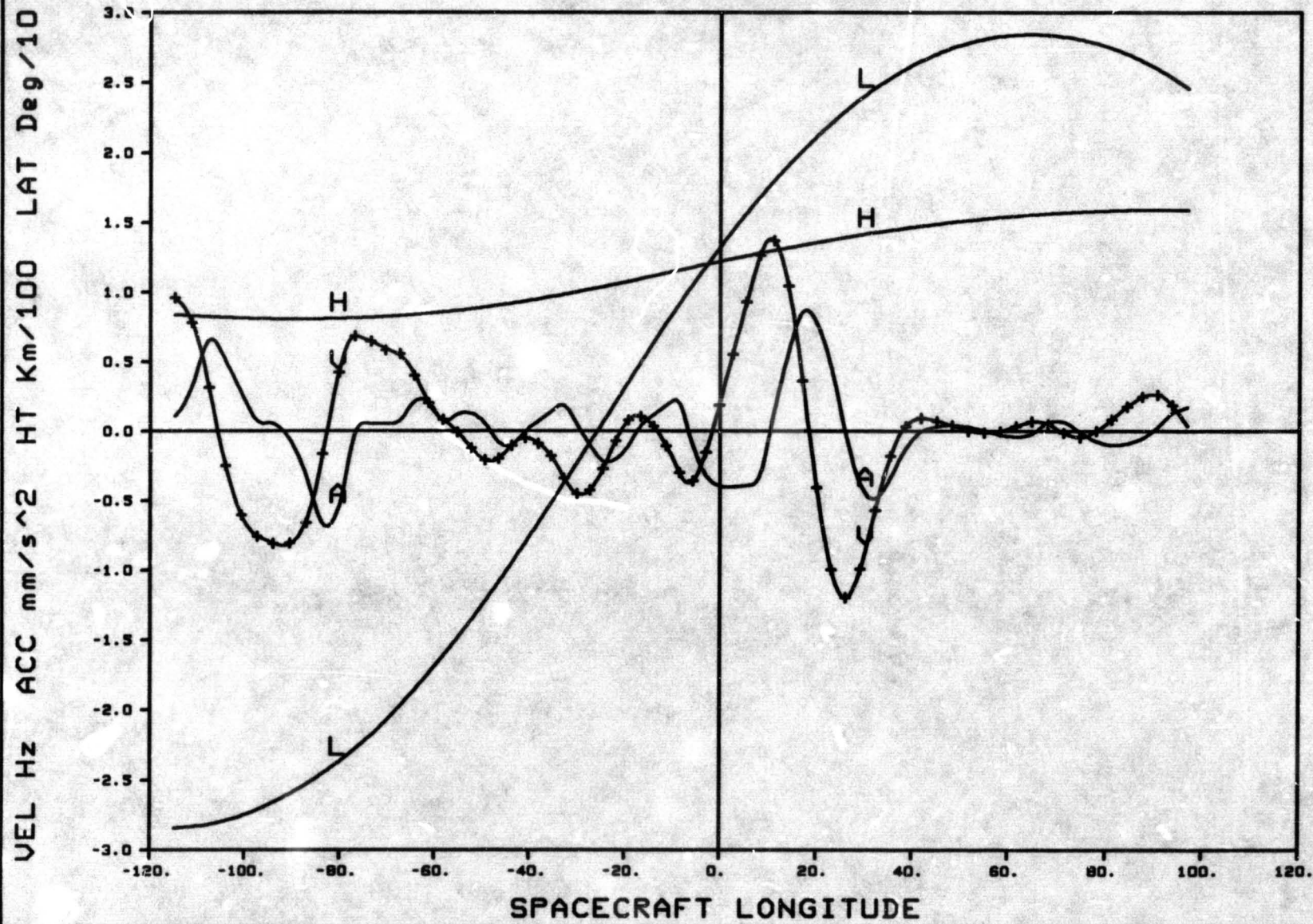


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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

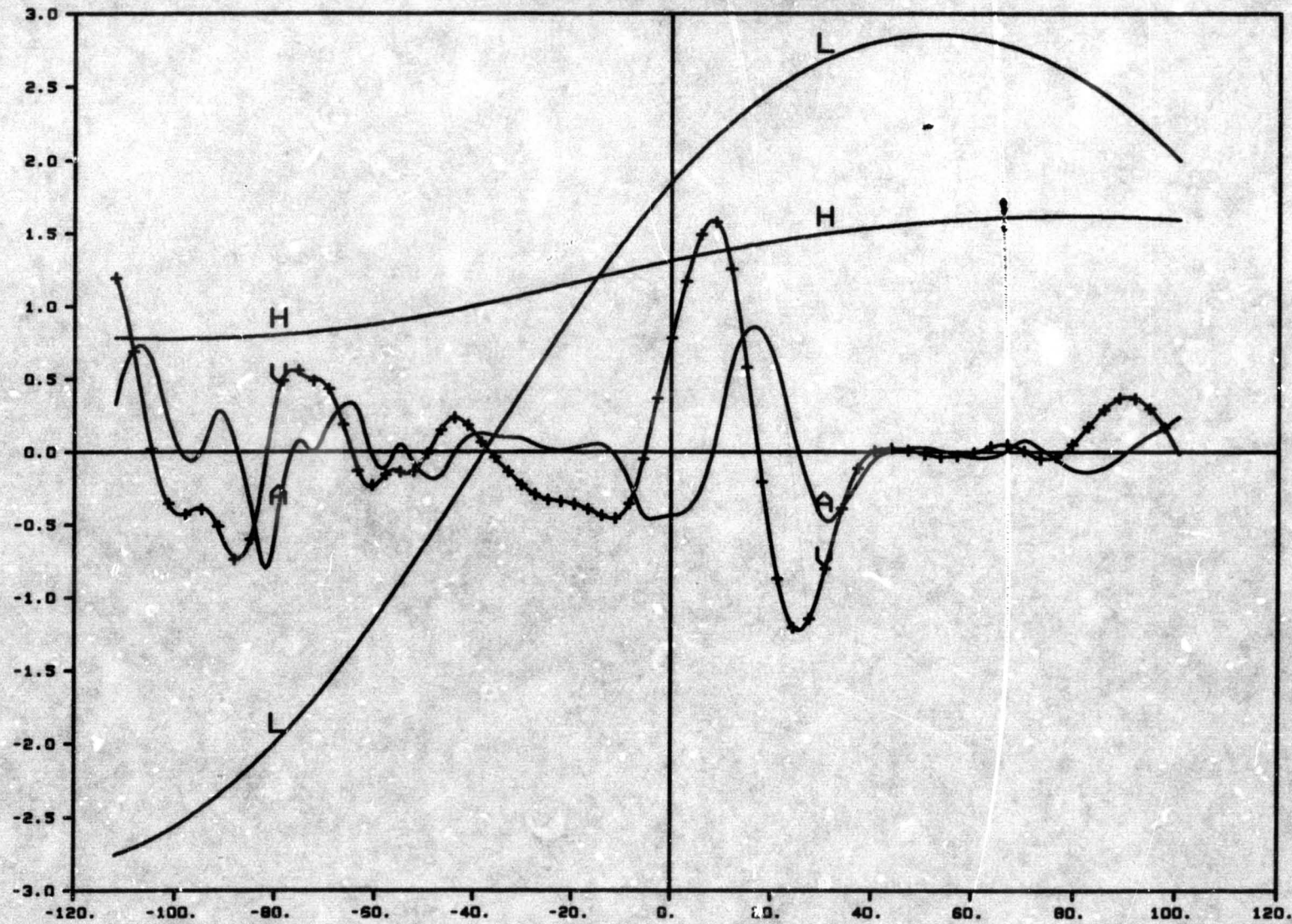


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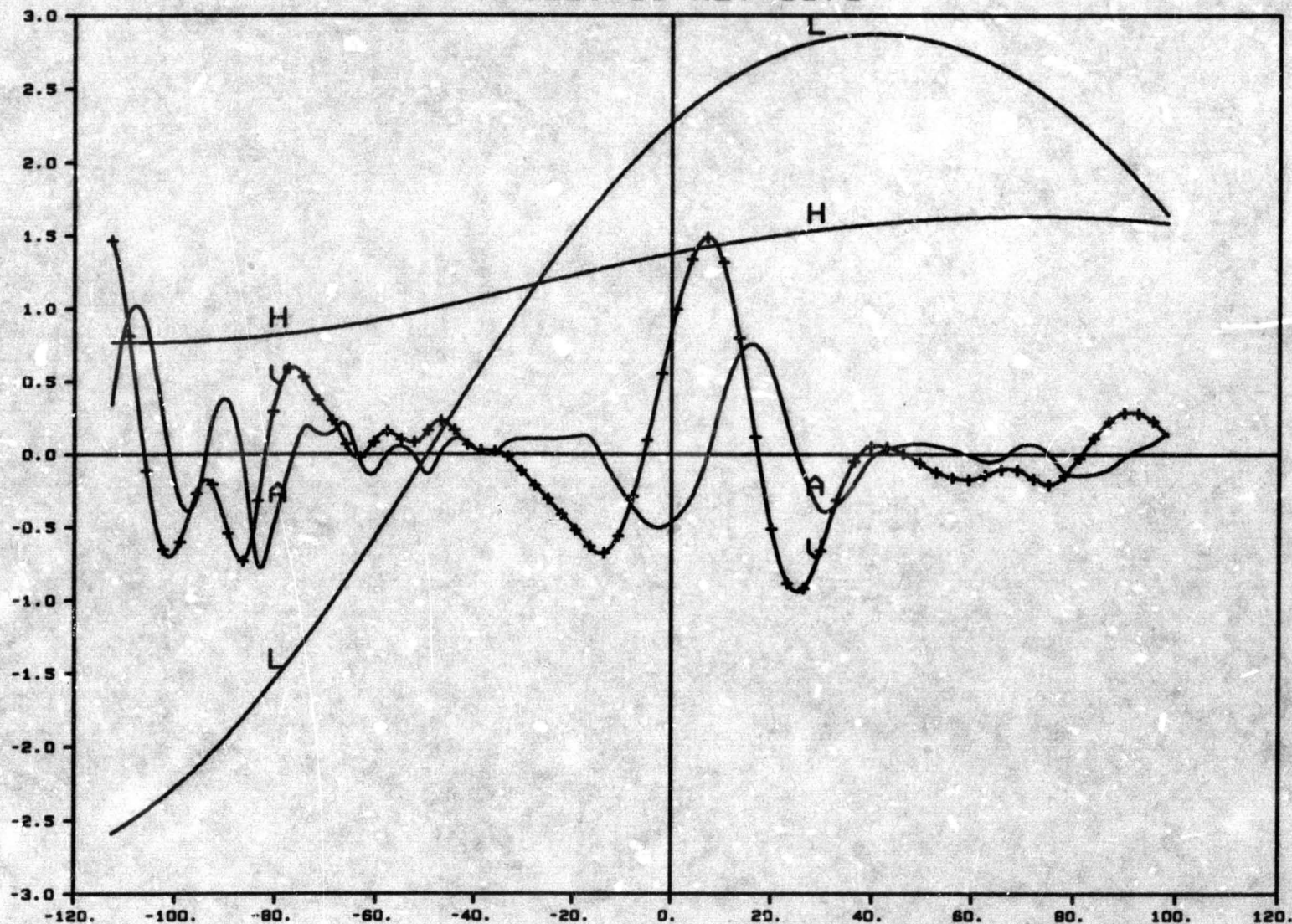
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



SPACECRAFT LONGITUDE

APOLLO 15 REV 6376

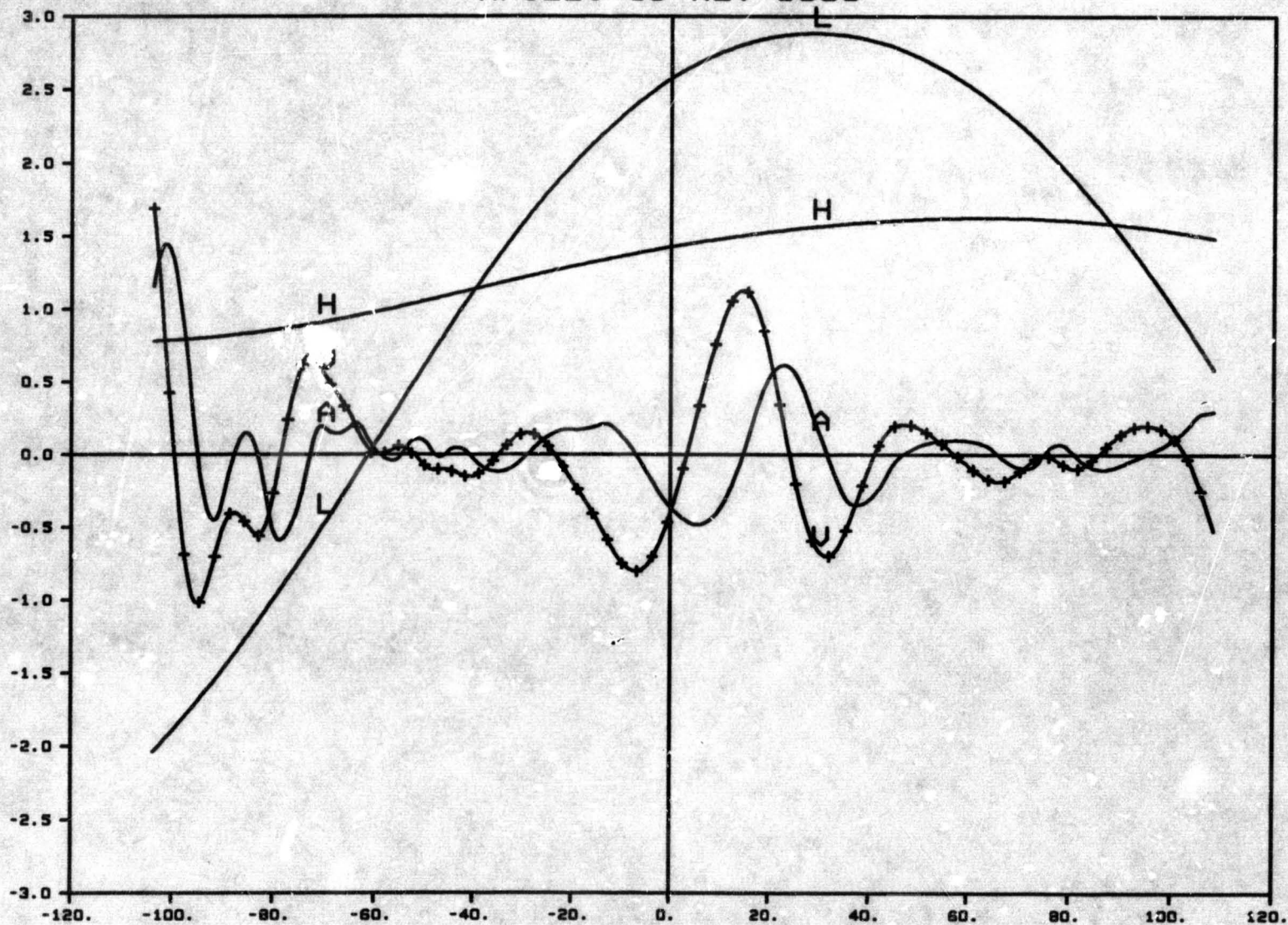
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



SPACECRAFT LONGITUDE

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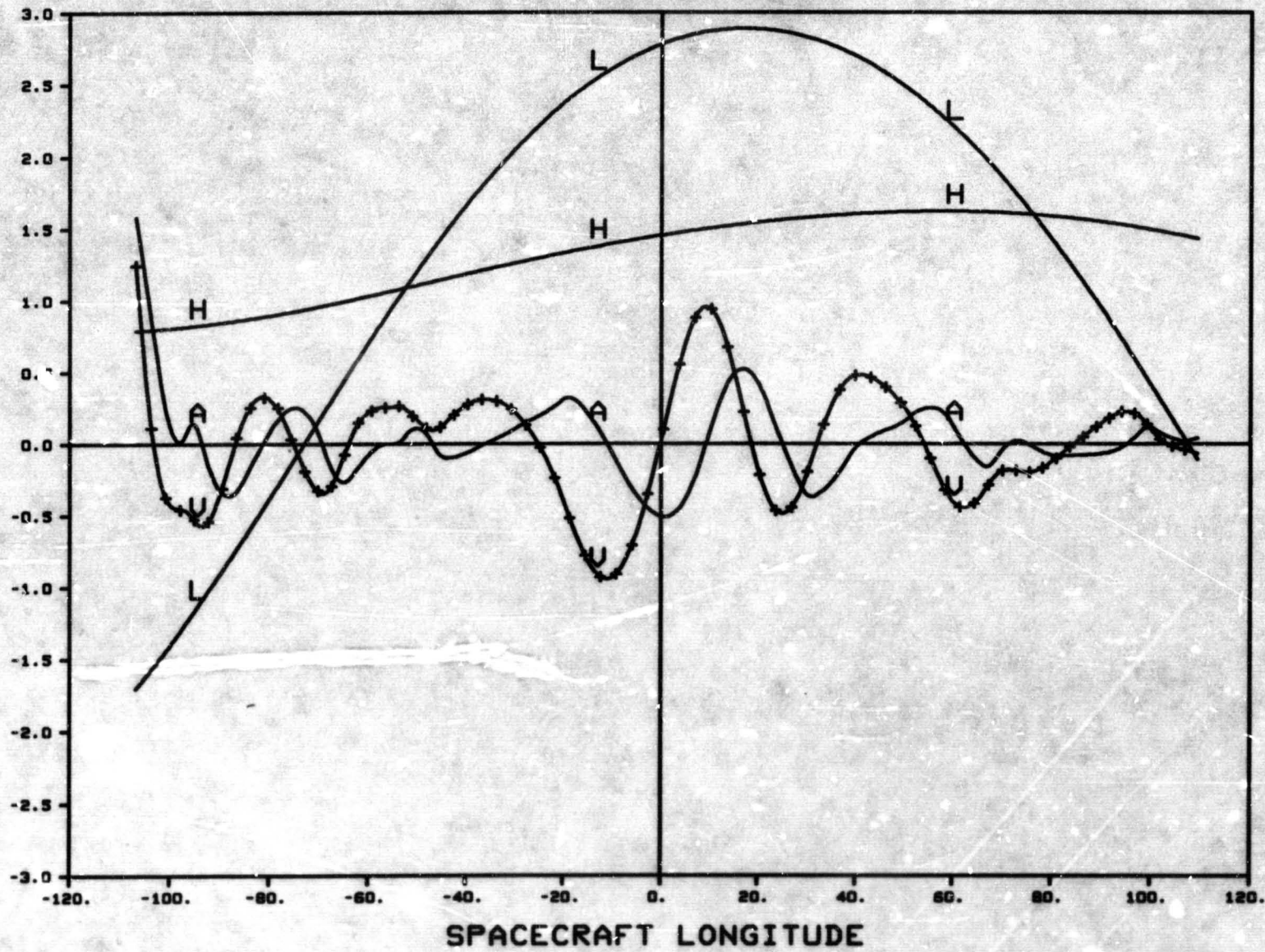
VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

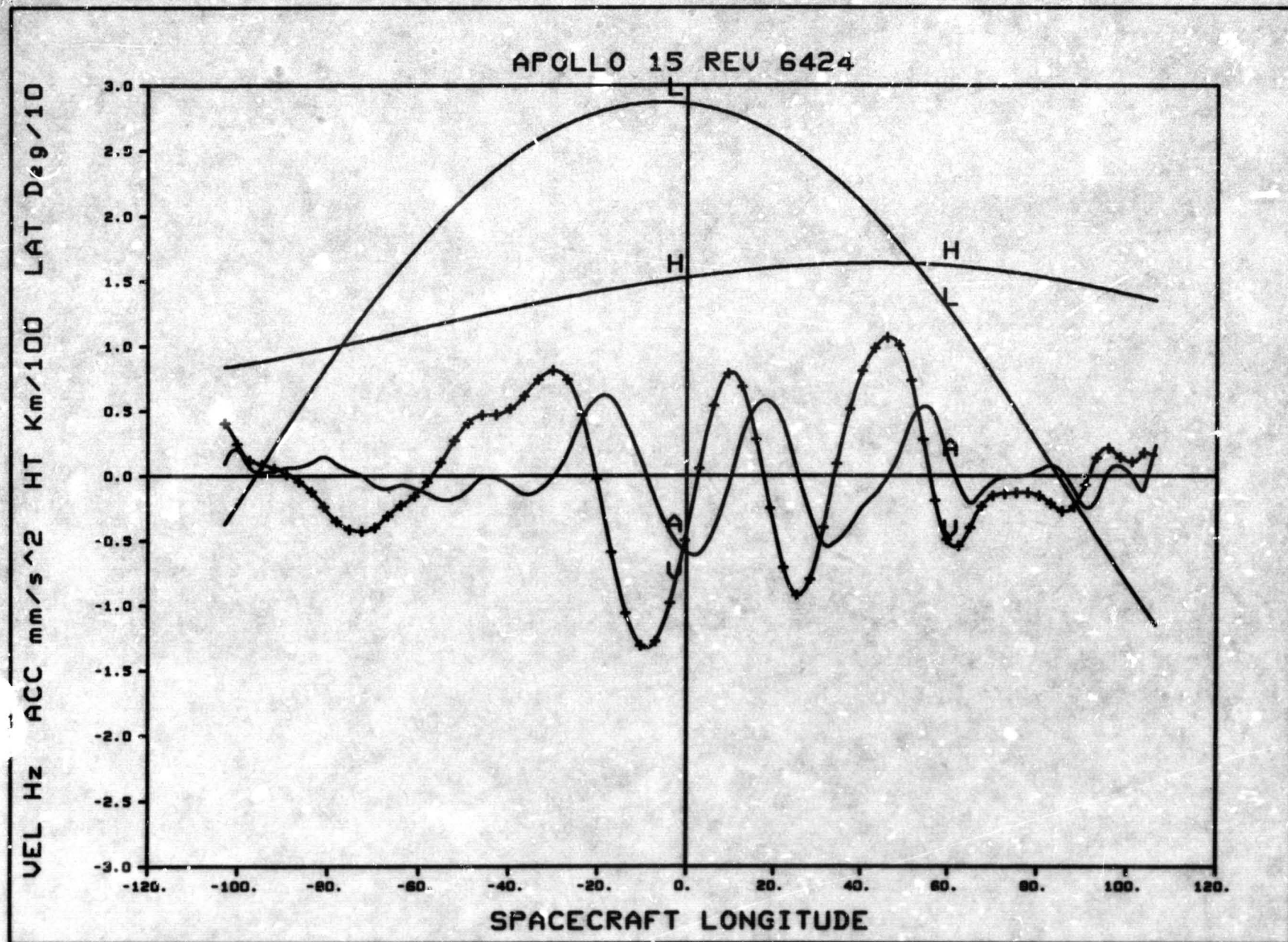


SPACECRAFT LONGITUDE

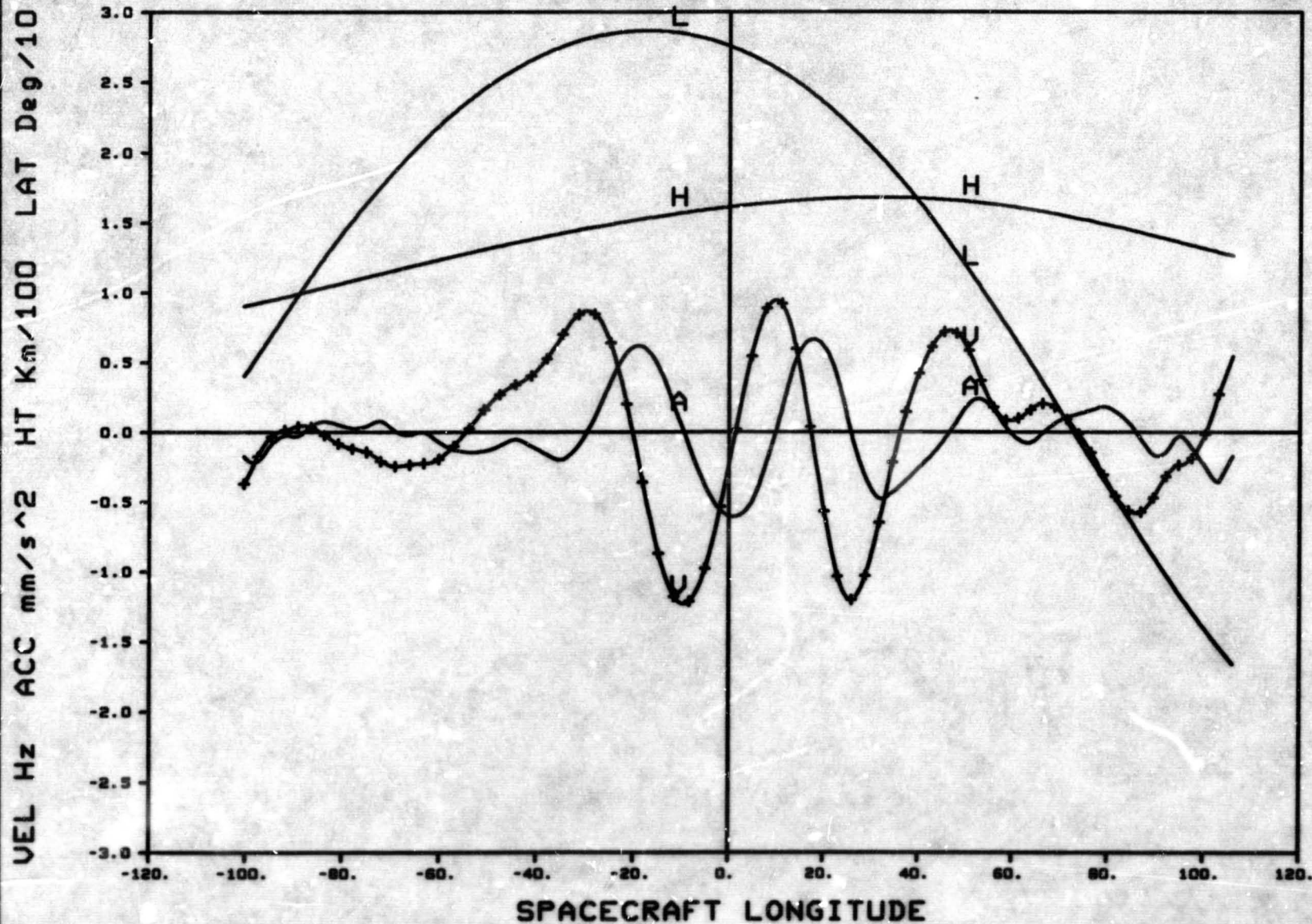
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VEL Hz ACC mm/s² HT Km/100 LAT Deg/10

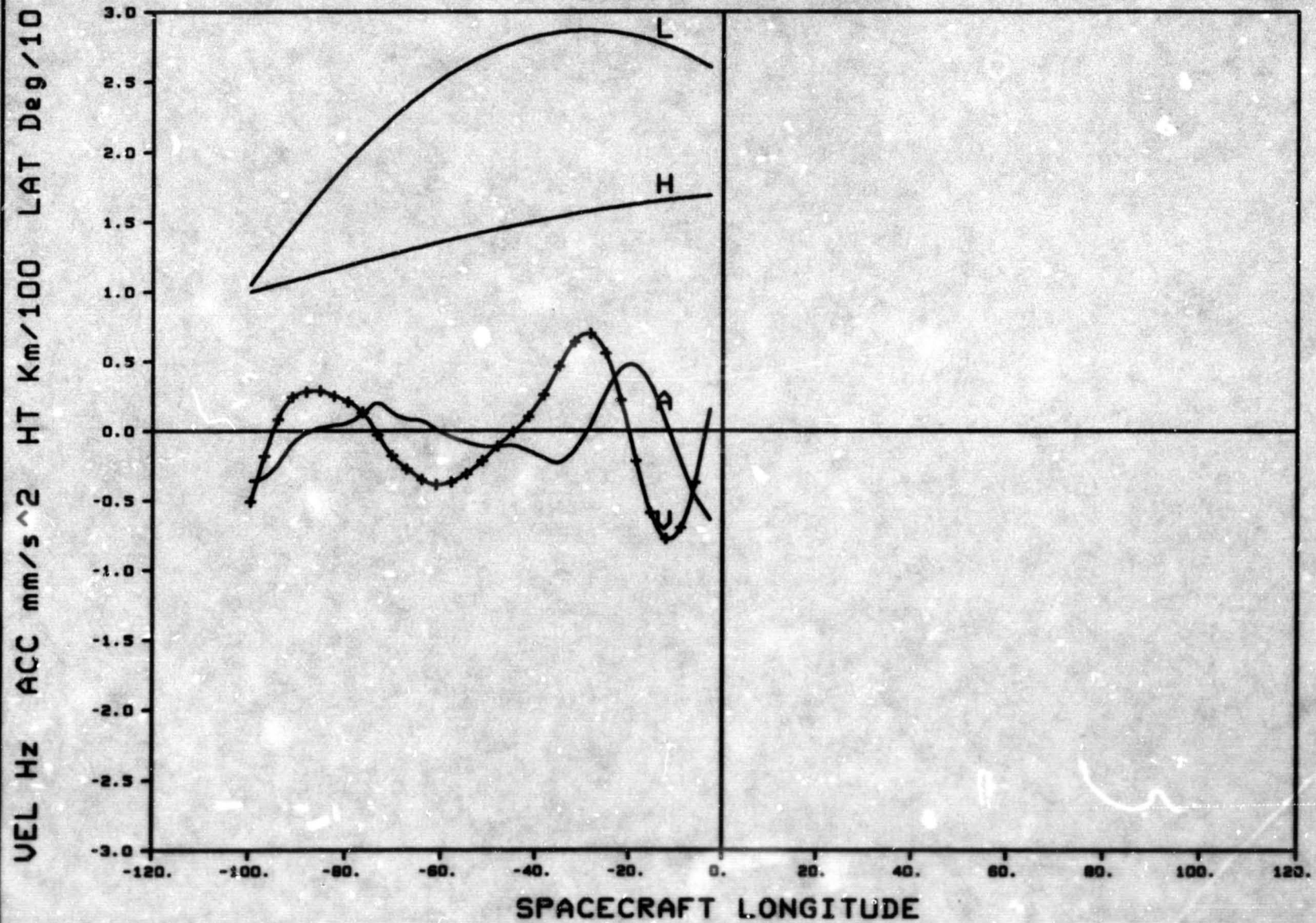




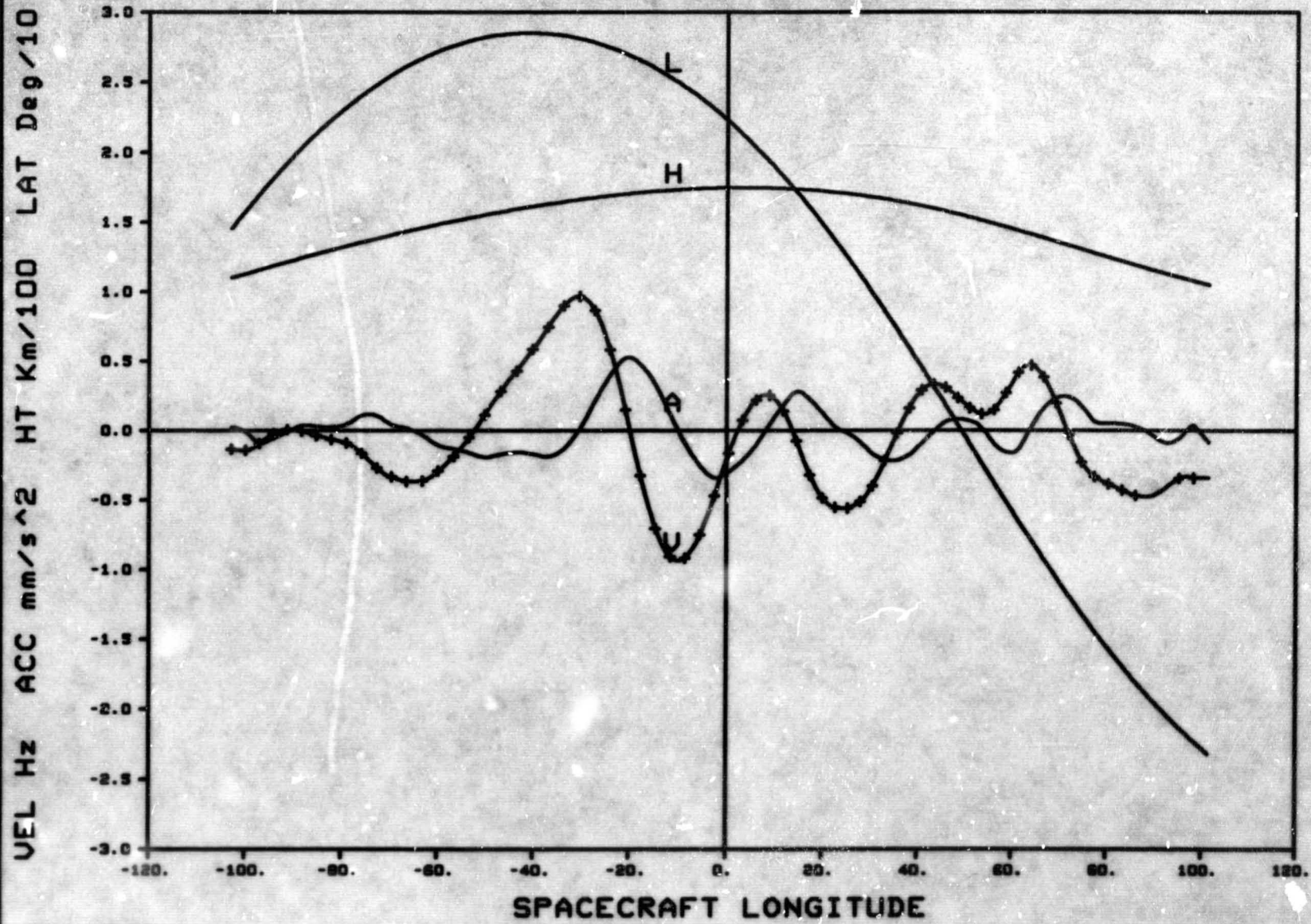
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APOLLO 15 REV 6448

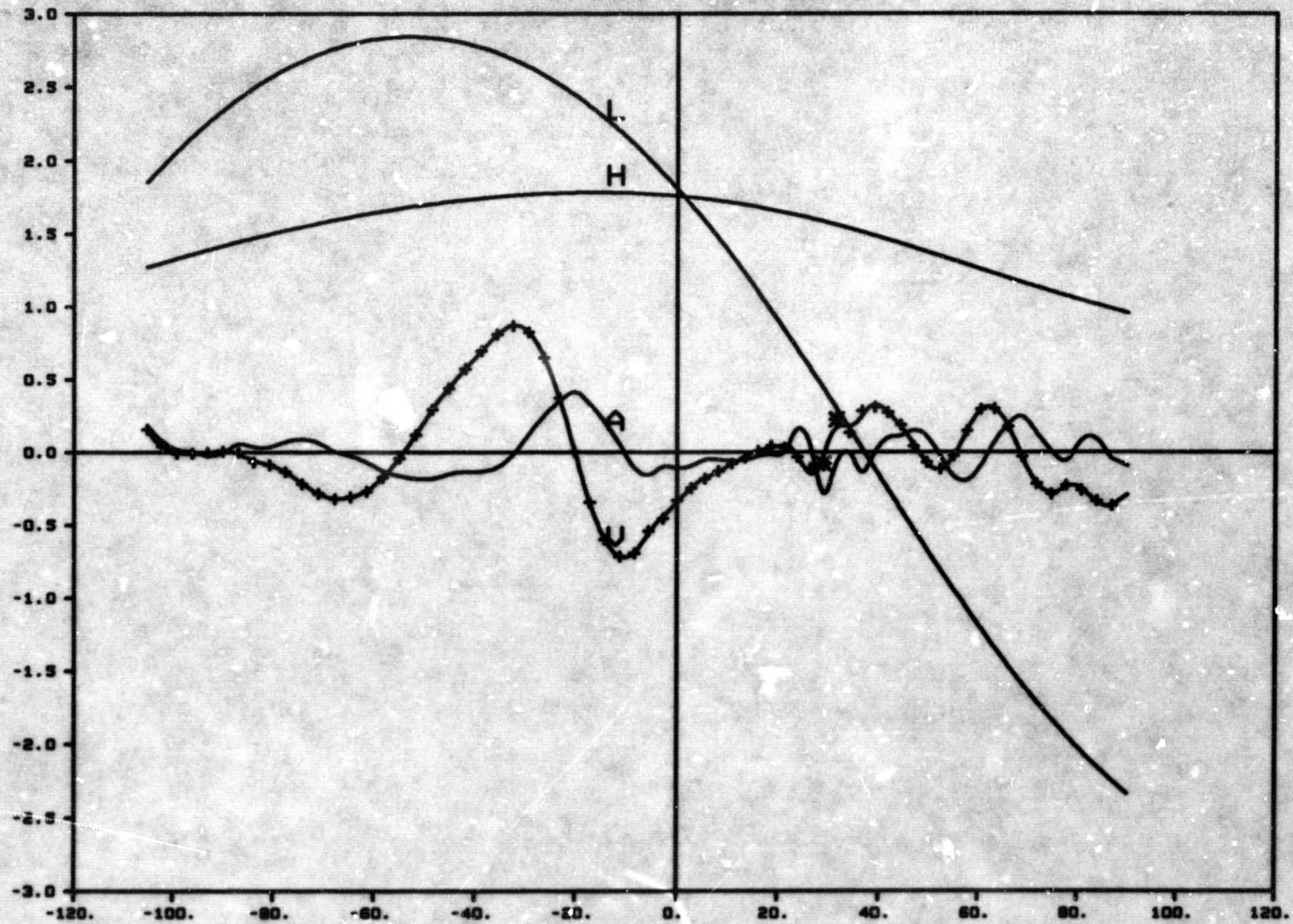


APOLLO 15 REV 6460



APOLLO 15 REV 6472

VEL Hz ACC mm/s² HT Km/100 LAT Deg/10



SPACECRAFT LONGITUDE

APPENDIX H

ORBIT FIT DATABASE LISTING

Orbit fit database listings are provided in the microfiche supplement (inside front cover pocket).

#INPUTS
HEADER = 'APOLLO 15 REV 253
EPOCH = 710802517, 4119930,
JEPOCH = 71, 8, 25, 17, 41,

STATE = 19, 1857.735 1.3162100E-02, 151.1737 , 144.8049 ,

65.91480 71.49020

COORD = 1,

TSTATE = 1744.869 111.4591 , 603.6049 , 0.3150277 ,

-1.495039 -0.5724581

LONEP = 999.0000

REFEP = 6*0,

DUTSEC = 0.0000000E+00,

TRANSA = 0.0000000E+00,

TRANSB = 0.0000000E+00,

GM = 4902.780

ERAD = 405377.0

ELAT = 3.818377 2*0.0000000E+00,

ELON = -2.268356 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DTFIT = 0.2000000

CONFAC = 1.083000

#END

EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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71 8251713 0	0.5920	96.15	21.828	98.357	0.5920441	0.173499	0.0000
71 8251714 0	0.6699	95.84	22.818	95.190	0.6687091	0.007534	0.0012
71 825171430 0		95.71	23.289	93.589	0.6599413	-0.041761	
71 8251715 0	0.6259	95.60	23.744	91.977	0.6312761	-0.983771	-0.0054
71 8251716 0	0.5180	95.42	24.604	88.719	0.5065620	-0.191659	0.0114
71 825171630 0		95.36	25.008	87.074	0.4031487	-0.257543	
71 8251717 0	0.2584	95.32	25.394	85.418	0.2715188	-0.305539	-0.0131
71 825171730 0		95.29	25.761	83.752	0.1277421	-0.309865	
71 8251718 0	-0.0048	95.28	26.109	82.075	-0.0099682	-0.284089	0.0052
71 8251719 0	-0.2225	95.32	26.747	78.694	-0.2306820	-0.182962	0.0082
71 825171930 0		95.36	27.036	76.990	-0.2984062	-0.107593	
71 8251720 0	-0.3450	95.42	27.304	75.277	-0.3277214	-0.017146	-0.0173
71 825172030 0		95.50	27.552	73.557	-0.3121062	0.087061	
71 8251721 0	-0.2310	95.59	27.778	71.829	-0.2507720	0.169017	0.0198
71 8251722 0	-0.1015	95.83	28.166	68.354	-0.0816457	0.158547	-0.0199
71 825172230 0		95.98	28.327	66.608	-0.0275448	0.066065	
71 8251723 0	-0.0002	96.14	28.465	64.858	-0.0199708	-0.022147	0.0198
71 825172330 0		96.32	28.582	63.104	-0.0377536	-0.043759	
71 8251724 0	-0.0752	96.51	28.676	61.347	-0.0556860	-0.034892	-0.0195
71 8251725 0	-0.0668	96.95	28.796	57.826	-0.0858482	-0.034236	0.0190
71 825172530 0		97.20	28.822	56.063	-0.1033360	-0.042452	
71 8251726 0	-0.1404	97.46	28.825	54.301	-0.1238723	-0.043043	-0.0165
71 825172630 0		97.73	28.805	52.540	-0.1398537	-0.022679	
71 8251727 0	-0.1355	98.02	28.763	50.780	-0.1437275	0.004766	0.0082
71 8251728 0	-0.1174	98.65	28.610	47.269	-0.1212721	0.039359	0.0039
71 825172830 0		98.98	28.500	45.518	-0.1011870	0.046508	
71 8251729 0	-0.0928	99.34	28.368	43.773	-0.0810692	0.035881	-0.0117
71 825172930 0		99.70	28.214	42.032	-0.0724876	-0.003510	
71 8251730 0	-0.0765	100.08	28.038	40.298	-0.0891607	-0.074474	0.0127
71 8251731 0	-0.2713	100.88	27.622	36.850	-0.2605705	-0.319763	-0.0107
71 825173130 0		101.30	27.382	35.138	-0.4471675	-0.494121	
71 8251732 0	-0.7042	101.73	27.122	33.434	-0.7121733	-0.638438	0.0080
71 825173230 0		102.17	26.842	31.739	-1.0221699	-0.688398	
71 8251733 0	-1.3344	102.63	26.542	30.054	-1.3319454	-0.635249	-0.0025
71 8251734 0	-1.7541	103.58	25.884	26.713	-1.7489768	-0.193495	-0.0051
71 825173430 0		104.07	25.527	25.059	-1.7528836	0.195220	
71 8251735 0	-1.5588	104.57	25.151	23.415	-1.5687085	0.584403	0.0099
71 825173530 0		105.08	24.755	21.783	-1.2302072	0.863191	
71 8251736 0	-0.7960	105.61	24.348	20.162	-0.7859837	1.049201	-0.0100
71 8251737 0	0.2822	106.68	23.477	16.955	0.2740768	1.197049	0.0081
71 825173730 0		107.23	23.018	15.369	0.8209162	1.158814	

71 8251738 0	1.3201	107.79	22.544	13.795	1.3263133	1.005041	-0.0052
71 825173830 0		108.36	22.054	12.233	1.7240067	0.694727	
71 8251739 0	1.9638	108.93	21.551	10.682	1.9601264	0.334216	0.0037
71 8251740 0	1.9954	110.10	20.502	7.617	1.9958305	-0.219706	-0.0004
71 825174030 0		110.70	19.959	6.102	1.8475789	-0.413065	
71 8251741 0	1.6247	111.30	19.403	4.598	1.6269758	-0.525008	-0.0023
71 825174130 0		111.91	18.835	3.105	1.3792493	-0.530051	
71 8251742 0	1.1484	112.52	18.256	1.624	1.1436036	-0.495711	0.0048
71 8251743 0	0.6796	113.76	17.066	-1.306	0.6872411	-0.511560	-0.0076
71 825174330 0		114.39	16.456	-2.756	0.4404964	-0.561777	
71 8251744 0	0.1866	115.02	15.836	-4.195	0.1772143	-0.555530	0.0094
71 825174430 0		115.65	15.207	-5.625	-0.0507217	-0.408114	
71 8251745 0	-0.2019	116.29	14.570	-7.045	-0.1926225	-0.215022	-0.0093
71 8251746 0	-0.2580	117.56	13.273	-9.858	-0.2663161	0.022296	0.0083
71 825174630 0		118.20	12.613	-11.251	-0.2439075	0.066474	
71 8251747 0	-0.2172	118.84	11.947	-12.637	-0.2106245	0.073714	-0.0066
71 825174730 0		119.48	11.274	-14.014	-0.1795657	0.056767	
71 8251748 0	-0.1572	120.13	10.595	-15.384	-0.1595970	0.030771	0.0024
71 8251749 0	-0.1452	121.41	9.223	-18.104	-0.1486475	-0.003004	0.0034
71 825174930 0		122.04	8.529	-19.455	-0.1520634	-0.010777	
71 8251750 0	-0.1654	122.68	7.832	-20.800	-0.1592038	-0.022489	-0.0062
71 825175030 0		123.31	7.130	-22.139	-0.1749825	-0.048177	
71 8251751 0	-0.2005	123.95	6.426	-23.473	-0.2032595	-0.071105	0.0028
71 8251752 0	-0.2653	125.20	5.008	-26.128	-0.2691185	-0.058565	0.0038
71 825175230 0		125.82	4.296	-27.450	-0.2887188	-0.023077	
71 8251753 0	-0.2975	126.44	3.582	-28.768	-0.2904343	0.012400	-0.0071
71 825175330 0		127.05	2.867	-30.084	-0.2802588	0.028423	
71 8251754 0	-0.2618	127.66	2.150	-31.397	-0.2654393	0.036334	0.0036
71 8251755 0	-0.2179	128.86	0.716	-34.017	-0.2210685	0.061948	0.0032
71 825175530 0		129.44	-0.002	-35.325	-0.1884989	0.079653	
71 8251756 0	-0.1558	130.03	-0.719	-36.632	-0.1484645	0.091237	-0.0073
71 825175630 0		130.60	-1.435	-37.939	-0.1066380	0.087327	
71 8251757 0	-0.0634	131.17	-2.249	-39.246	-0.0695822	0.072021	0.0068
71 8251758 0	-0.0292	132.28	-3.574	-41.861	-0.0250865	0.019487	-0.0041
71 825175830 0		132.82	-4.283	-43.171	-0.0244035	-0.017747	
71 8251759 0	-0.0397	133.36	-4.990	-44.482	-0.0416702	-0.056297	0.0020
71 825175930 0		133.88	-5.694	-45.795	-0.0756807	-0.090226	
71 82518 0 0	-0.1228	134.40	-6.394	-47.110	-0.1224325	-0.107618	-0.0004
71 82518 1 0	-0.2085	135.40	-7.783	-49.750	-0.2072587	-0.057172	-0.0012
71 82518 130 0		135.87	-8.471	-51.076	-0.2190841	0.010695	
71 82518 2 0	-0.1973	136.35	-9.154	-52.405	-0.1990812	0.067601	0.0018
71 82518 230 0		136.81	-9.832	-53.739	-0.1643967	0.074229	
71 82518 3 0	-0.1340	137.26	-10.504	-55.078	-0.1339252	0.058855	-0.0001
71 82518 4 0	-0.0898	138.13	-11.831	-57.771	-0.0869957	0.046993	-0.0028
71 82518 430 0		138.53	-12.485	-59.126	-0.0647245	0.050512	
71 82518 5 0	-0.0333	138.94	-13.132	-60.487	-0.0366450	0.078148	0.0033
71 82518 530 0		139.32	-13.771	-61.855	-0.0139033	0.147770	
71 82518 6 0	0.1011	139.70	-14.402	-63.230	-0.0996833	0.216711	0.0014
71 82518 7 0	0.3077	140.40	-15.640	-66.001	-0.3168431	0.224807	-0.0091
71 82518 730 0		140.73	-16.246	-67.399	-0.4082648	0.163920	
71 82518 8 0	0.4799	141.05	-16.842	-68.804	-0.4671226	0.095959	0.0128
71 82518 830 0		141.35	-17.429	-70.218	-0.5013340	0.057058	
71 82518 9 0	0.5138	141.65	-18.005	-71.640	-0.5219573	0.032098	-0.0082
71 8251810 0	0.5265	142.18	-19.126	-74.511	-0.5272058	-0.021554	-0.0007
71 825181030 0		142.42	-19.670	-75.960	-0.5106757	-0.050248	
71 8251811 0	0.4825	142.65	-20.201	-77.419	-0.4763448	-0.107991	0.0062
71 825181130 0		142.86	-20.721	-78.887	-0.4021821	-0.222694	
71 8251812 0	0.2663	143.07	-21.228	-80.364	-0.2718365	-0.330253	-0.0055
71 8251813 0	-0.0536	143.41	-22.203	-83.349	-0.0558322	-0.332060	0.0022
71 825181330 0		143.56	-22.670	-84.856	-0.1874801	-0.226239	
71 8251814 0	-0.2623	143.70	-23.123	-86.373	-0.2623222	-0.104630	0.0000
71 825181430 0		143.81	-23.561	-87.900	-0.2901423	-0.022438	
71 8251815 0	-0.2883	143.92	-23.985	-89.436	-0.2877887	0.028962	-0.0005
71 8251816 0	-0.2370	144.08	-24.785	-92.539	-0.2373260	0.065640	0.0003
71 825181630 0		144.12	-25.161	-94.105	-0.2095694	0.050896	
71 8251817 0	-0.1883	144.17	-25.520	-95.680	-0.1881275	0.050453	-0.0002

71 825181730		144.18	-25.863	-97.264	-0.1551803	0.100687	
71 8251818 0	-0.0908	144.19	-26.189	-98.857	-0.0908977	0.178665	0.0001
71 8251819 0	0.1513	144.15	-26.787	-102.069	0.1513447	0.349282	0.0000
71 825181930		144.10	-27.059	-103.688	0.3338442	0.441926	
71 8251820 0	0.5547	144.05	-27.312	-105.313	0.5546901	0.504037	0.0000
71 8251821 0	1.0065	143.88	-27.763	-108.586	1.0065004	0.430662	0.0000

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4.524792, 1.454121

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-1.437166, 0.7331464

LONEP = 999.0000

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TRANSA = 0.0000000E+00,

TRANSB = 0.0000000E+00,

GM = 4902.780

ERAD = 383511.8

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ELON = -5.620636, 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DYFIT = 0.2000000

CONCAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YMDCHNMS	Hz	m	Deg.	Deg.	Hz	mm/s**2	Hz
72 63015 2 8	0.0131	41.71	-28.010	89.557	0.0130594	-0.126470	0.0000
72 63015 3 8	0.2541	41.89	-28.261	85.848	0.2552248	0.466473	-0.0011
72 63015 338		42.07	-28.349	83.988	0.4538104	0.347784	
72 63015 4 8	0.5648	42.31	-28.411	82.126	0.5597239	0.121132	0.0051
72 63015 5 8	0.5172	42.97	-28.471	78.399	0.5279366	-0.149376	-0.0107
72 63015 538		43.38	-28.448	76.536	0.4465095	-0.193261	
72 63015 6 8	0.3669	43.85	-28.410	74.676	0.3560809	-0.194291	0.0108
72 63015 638		44.38	-28.347	72.817	0.2709260	-0.170511	
72 63015 7 8	0.2024	44.96	-28.258	70.963	0.2002517	-0.136261	0.0021
72 63015 8 8	0.0793	46.29	-28.008	67.270	0.1018669	-0.079431	-0.0226
72 63015 838		47.04	-27.846	65.433	0.0705612	-0.056849	
72 63015 9 8	0.0788	47.85	-27.660	63.603	0.0476101	-0.045742	0.0312
72 63015 938		48.70	-27.451	61.781	0.0253898	-0.053706	
72 6301510 8	-0.0180	49.61	-27.218	59.969	-0.0026623	-0.066098	-0.0153
72 6301511 8	-0.0775	51.58	-26.685	56.374	-0.0641338	-0.060240	-0.0134
72 630151138		52.65	-26.385	54.593	-0.0881234	-0.041994	
72 6301512 8	-0.0726	53.76	-26.064	52.824	-0.1015828	-0.015140	0.0290
72 630151238		54.92	-25.722	51.066	-0.1010301	0.018700	
72 6301513 8	-0.1055	56.12	-25.359	49.322	-0.0860133	0.041496	-0.0195
72 6301514 8	-0.0602	58.68	-24.576	45.872	-0.0579860	-0.000180	-0.0022
72 630151438		60.02	-24.156	44.168	-0.0718284	-0.064639	
72 6301515 8	-0.1053	61.40	-23.717	42.477	-0.1230799	-0.151211	0.0158
72 630151538		62.83	-23.262	40.801	-0.2137645	-0.252865	
72 6301516 8	-0.3630	64.30	-22.790	39.139	-0.3480922	-0.312409	-0.0149
72 6301517 8	-0.5768	67.35	-21.797	35.858	-0.5845038	-0.133426	0.0077
72 630151738		68.94	-21.278	34.239	-0.5948732	0.105054	
72 6301518 8	-0.4936	70.55	-20.745	32.634	-0.4915511	0.317091	-0.0020
72 630151838		72.21	-20.198	31.044	-0.3255388	0.376783	
72 6301519 8	-0.1607	73.89	-19.638	29.467	-0.1589761	0.336852	-0.0017
72 6301520 8	0.0699	77.36	-18.481	26.357	0.0646167	0.116151	0.0053
72 630152038		79.14	-17.885	24.822	0.0783217	-0.064597	
72 6301521 8	0.0115	80.94	-17.279	23.300	0.0186237	-0.156545	-0.0071
72 630152138		82.77	-16.662	21.792	-0.0316661	-0.023916	
72 6301522 8	0.0134	84.63	-16.036	20.296	0.0076278	0.180658	0.0058
72 6301523 8	0.2735	88.41	-14.758	17.341	0.2763397	0.347550	-0.0028

72 630152338		90.33	-14.107	15.882	0.4311936	0.309907	
72 6301524 8	0.5587	92.27	-13.449	14.434	0.5578737	0.242264	0.0008
72 630152438		94.23	-12.784	12.997	0.6580900	0.195383	
72 6301525 8	0.7391	96.20	-12.113	11.570	0.7393641	0.155549	-0.0003
72 6301526 8	0.8393	100.20	-10.754	8.747	0.8390727	0.056000	0.0002
72 630152638		102.21	-10.067	7.350	0.8513967	-0.003711	
72 6301527 8	0.8351	104.23	-9.375	5.962	0.8352605	-0.065899	-0.0002
72 630152738		106.27	-8.680	4.583	0.7908171	-0.126369	
72 6301528 8	0.7191	108.31	-7.982	3.211	0.7191571	-0.183035	-0.0001
72 6301529 8	0.5046	112.40	-6.577	0.491	0.5042257	-0.278551	0.0004
72 630152938		114.46	-5.871	-0.859	0.3664438	-0.317405	
72 6301530 8	0.2133	116.51	-5.163	-2.202	0.2138776	-0.338497	-0.0006
72 630153038		118.57	-4.455	-3.539	0.0584454	-0.329985	
72 6301531 8	-0.0874	120.62	-3.745	-4.871	-0.0879908	-0.303112	0.0006
72 6301532 8	-0.3359	124.72	-2.325	-7.520	-0.3353942	-0.228019	-0.0005
72 630153238		126.76	-1.615	-8.838	-0.4297980	-0.179802	
72 6301533 8	-0.5018	128.80	-0.906	-10.152	-0.5018057	-0.134139	0.0000
72 630153338		130.83	-0.198	-11.463	-0.5555449	-0.100728	
72 6301534 8	-0.5938	132.84	0.508	-12.771	-0.5954524	-0.071479	0.0017
72 6301535 8	-0.6343	136.84	1.915	-15.379	-0.6302447	-0.001279	-0.0041
72 630153538		138.83	2.615	-16.681	-0.6215333	0.039671	
72 6301536 8	-0.5894	140.79	3.313	-17.981	-0.5946352	0.073964	0.0052
72 630153638		142.74	4.007	-19.280	-0.5558932	0.091016	
72 6301537 8	-0.5159	144.67	4.698	-20.579	-0.5118999	0.099583	-0.0040
72 6301538 8	-0.4102	148.48	6.067	-23.177	-0.4117628	0.117486	0.0016
72 630153838		150.36	6.746	-24.477	-0.3553836	0.126822	
72 6301539 8	-0.2955	152.21	7.419	-25.778	-0.2949281	0.134415	-0.0006
72 630153938		154.04	8.088	-27.080	-0.2318465	0.138263	
72 6301540 8	-0.1651	155.84	8.751	-28.384	-0.1677375	0.139014	0.0026
72 6301541 8	-0.0476	159.37	10.060	-30.999	-0.0413245	0.133162	-0.0063
72 630154138		161.10	10.705	-32.310	0.0187168	0.126560	
72 6301542 8	0.0817	162.79	11.344	-33.625	0.0745058	0.113267	0.0072
72 630154238		164.46	11.975	-34.943	0.1216235	0.089051	
72 6301543 8	0.1542	166.09	12.600	-36.265	0.1562404	0.061653	-0.0020
72 6301544 8	0.1063	169.27	13.825	-38.922	0.1927968	0.020576	-0.0065
72 630154438		170.81	14.426	-40.258	0.1989615	0.006895	
72 6301545 8	0.2119	172.31	15.019	-41.598	0.2006733	0.003032	0.0112
72 630154538		173.78	15.603	-42.944	0.2040797	0.014237	
72 6301546 8	0.2053	175.21	16.177	-44.295	0.2140634	0.027021	-0.0088
72 6301547 8	0.2408	177.97	17.298	-47.015	0.2379812	0.016843	0.0028
72 630154738		179.29	17.844	-48.385	0.2409158	-0.006114	
72 6301548 8	0.2330	180.57	18.380	-49.761	0.2314833	-0.034599	0.0015
72 630154838		181.81	18.904	-51.143	0.2091048	-0.062212	
72 6301549 8	0.1710	183.01	19.418	-52.532	0.1745731	-0.086342	-0.0036
72 6301550 8	0.0841	185.28	20.413	-55.332	0.0791542	-0.116261	0.0049
72 630155038		186.36	20.892	-56.743	0.0239133	-0.122053	
72 6301551 8	-0.0368	187.39	21.360	-58.160	-0.0320099	-0.117069	-0.0048
72 630155138		188.38	21.815	-59.586	-0.0827943	-0.099850	
72 6301552 8	-0.1224	189.32	22.257	-61.019	-0.1235024	-0.077262	-0.0011
72 6301553 8	-0.1744	191.07	23.103	-63.907	-0.1790640	-0.046226	0.0047
72 630155338		191.88	23.506	-65.363	-0.1982712	-0.037775	
72 6301554 8	-0.2213	192.64	23.895	-66.826	-0.2133692	-0.025594	-0.0079
72 630155438		193.35	24.270	-68.297	-0.2200339	-0.001254	
72 6301555 8	-0.2075	194.02	24.630	-69.775	-0.2140571	0.026126	0.0066
72 6301556 8	-0.1742	195.22	25.306	-72.753	-0.1712221	0.062591	-0.0030
72 630155638		195.74	25.622	-74.253	-0.1395963	0.071680	
72 6301557 8	-0.1062	196.22	25.922	-75.760	-0.1066671	0.070166	0.0005
72 630155738		196.65	26.207	-77.274	-0.0775314	0.053547	
72 6301558 8	-0.0576	197.03	26.475	-78.794	-0.0579896	0.031262	0.0004
72 6301559 8	-0.0435	197.64	26.963	-81.853	-0.0428229	0.094345	-0.0007
72 630155938		197.87	27.183	-83.391	-0.0424094	-0.001690	
72 63016 0 8	-0.0435	198.05	27.385	-84.935	-0.0442927	-0.007135	0.0008
72 63016 038		198.19	27.571	-86.484	-0.0496120	-0.016581	
72 63016 1 8	-0.0606	198.27	27.739	-88.037	-0.0598833	-0.028493	-0.0006
72 63016 2 8	-0.0980	198.29	28.024	-91.158	-0.0980801	-0.055492	0.0003
72 63016 238		198.22	28.140	-92.724	-0.1270743	-0.069779	

72 63016 3 8 -0.1611 198.11 28.239 -94.293 -0.1610362 -0.073523 -0.0001
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ELON = -5.619293 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DTFIT = 0.2000000

CONCAC = 1.083000

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EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS		Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 630165359	-0.1643	41.19	-26.054	91.826	-0.1641766	-0.299781	-0.0001	
72 630165459	-0.0586	40.23	-26.716	88.235	-0.0619301	0.390098	0.0033	
72 630165529		39.84	-27.012	86.423	0.1372728	0.439948		
72 630165559	0.3108	39.51	-27.286	84.601	0.3258383	0.369817	-0.0150	
72 630165659	0.5881	39.04	-27.763	80.931	0.5559896	0.099873	0.0321	
72 630165729		38.89	-27.965	79.084	0.5576329	-0.099961		
72 630165759	0.4313	38.80	-28.143	77.230	0.4707273	-0.254160	-0.0394	
72 630165829		38.78	-28.295	75.370	0.3436298	-0.273948		
72 630165859	0.2543	38.81	-28.423	73.506	0.2276420	-0.229600	0.0267	
72 630165959	0.0467	39.07	-28.602	69.766	0.0499491	-0.159395	-0.0032	
72 63017 029		39.29	-28.653	67.893	-0.0174435	-0.133542		
72 63017 059	-0.0879	39.57	-28.678	66.019	-0.0752409	-0.119910	-0.0127	
72 63017 129		39.91	-28.678	64.145	-0.1309737	-0.124540		
72 63017 159	-0.1729	40.31	-28.652	62.273	-0.1896452	-0.125333	0.0167	
72 63017 259	-0.2946	41.28	-28.523	58.536	-0.2781602	-0.049096	-0.0164	
72 63017 329		41.86	-28.421	56.673	-0.2840411	0.027948		
72 63017 359	-0.2428	42.50	-28.294	54.816	-0.2585408	0.064828	0.0157	
72 63017 429		43.19	-28.141	52.965	-0.2405350	-0.004550		
72 63017 459	-0.2789	43.94	-27.965	51.121	-0.2646124	-0.085155	-0.0143	
72 63017 559	-0.3192	45.61	-27.539	47.458	-0.3314461	-0.004087	0.0122	
72 63017 629		46.53	-27.291	45.640	-0.2986720	0.159666		
72 63017 659	-0.2047	47.51	-27.020	43.833	-0.1945953	0.254842	-0.0101	
72 63017 729		48.53	-26.726	42.037	-0.0970488	0.131128		
72 63017 759	-0.0782	49.61	-26.411	40.253	-0.0851002	-0.068049	0.0069	
72 63017 859	-0.2615	51.92	-25.716	36.721	-0.2587911	-0.262922	-0.0027	
72 63017 929		53.15	-25.338	34.975	-0.3818101	-0.258550		
72 63017 959	-0.4942	54.43	-24.939	33.242	-0.4937962	-0.229914	-0.0004	
72 630171029		55.76	-24.522	31.523	-0.5970756	-0.220608		
72 630171059	-0.6942	57.13	-24.086	29.819	-0.6964163	-0.204272	0.0022	
72 630171159	-0.8377	60.01	-23.161	26.453	-0.8339411	-0.071322	-0.0038	
72 630171229		61.52	-22.674	24.792	-0.8412308	0.045325		
72 630171259	-0.7815	63.07	-22.170	23.146	-0.7860227	0.201528	0.0045	
72 630171329		64.65	-21.651	21.514	-0.6480557	0.403640		
72 630171359	-0.4214	66.28	-21.117	19.897	-0.4175689	0.578327	-0.0038	
72 630171459	0.1719	69.64	-20.007	16.707	0.1694958	0.626240	0.0024	
72 630171529		71.38	-19.432	15.134	0.4332649	0.499367		
72 630171559	0.6275	73.15	-18.846	13.575	0.6288581	0.361076	-0.0014	
72 630171629		74.95	-18.247	12.030	0.7785883	0.300336		
72 630171659	0.9122	76.78	-17.638	10.498	0.9113670	0.273289	0.0008	

72 630171759	1.1272	80.53	-16.389	7.475	1.1276567	0.188341	-0.0005
72 630171829		82.45	-15.750	5.983	1.2016560	0.130431	
72 630171859	1.2466	84.39	-15.103	4.504	1.2461165	0.059624	0.0005
72 630171929		86.35	-14.447	3.037	1.2542952	-0.026800	
72 630171959	1.2191	88.34	-13.784	1.581	1.2205381	-0.118721	-0.0014
72 630172059	1.0338	92.37	-12.438	-1.296	1.0308689	-0.289101	0.0029
72 630172129		94.41	-11.756	-2.718	0.8790761	-0.367555	
72 630172159	0.6915	96.46	-11.068	-4.131	0.6951618	-0.422175	-0.0037
72 630172229		98.54	-10.375	-5.533	0.4958826	-0.433703	
72 630172259	0.3016	100.62	-9.678	-6.926	0.2987224	-0.419069	0.0029
72 630172359	-0.0661	104.82	-8.272	-9.686	-0.0647928	-0.362165	-0.0013
72 630172429		106.94	-7.565	-11.054	-0.2226310	-0.319887	
72 630172459	-0.3610	109.06	-6.855	-12.414	-0.3609373	-0.282591	-0.0001
72 630172529		111.18	-6.142	-13.767	-0.4865037	-0.264422	
72 630172559	-0.6039	113.31	-5.428	-15.114	-0.6053581	-0.247956	0.0015
72 630172659	-0.8052	117.58	-3.997	-17.788	-0.8021285	-0.167742	-0.0031
72 630172729		119.71	-3.280	-19.117	-0.8654748	-0.103979	
72 630172759	-0.8948	121.84	-2.563	-20.441	-0.8984985	-0.042489	0.0037
72 630172829		123.96	-1.847	-21.760	-0.9078125	-0.001227	
72 630172859	-0.9028	126.08	-1.131	-23.076	-0.9005171	-0.034313	-0.0023
72 630172959	-0.8267	130.30	0.297	-25.696	-0.8264723	0.131971	-0.0002
72 630173029		132.40	1.009	-27.002	-0.7515249	0.194098	
72 630173059	-0.6472	134.48	1.718	-28.306	-0.6490093	0.244852	0.0018
72 630173129		136.56	2.425	-29.607	-0.5302868	0.264067	
72 630173159	-0.4103	138.62	3.130	-30.907	-0.4085116	0.261640	-0.0018
72 630173259	-0.1807	142.69	4.529	-33.504	-0.1817827	0.221644	0.0011
72 630173329		144.70	5.222	-34.802	-0.0876553	0.184063	
72 630173359	-0.0124	146.70	5.912	-36.101	-0.0117690	0.146814	-0.0006
72 630173429		148.67	6.598	-37.399	0.0498002	0.121898	
72 630173459	0.1024	150.62	7.278	-38.699	0.1017516	0.103230	0.0006
72 630173559	0.1791	154.46	8.624	-41.302	0.1799607	0.066252	-0.0009
72 630173629		156.34	9.288	-42.606	0.2063230	0.047942	
72 630173659	0.2266	158.19	9.947	-43.913	0.2257801	0.039699	0.0008
72 630173729		160.02	10.599	-45.222	0.2460586	0.051462	
72 630173759	0.2739	161.82	11.244	-46.535	0.2740571	0.068175	-0.0002
72 630173859	0.3407	165.34	12.514	-49.170	0.3415680	0.071322	-0.0009
72 630173929		167.05	13.138	-50.493	0.3717580	0.057746	
72 630173959	0.3941	168.72	13.754	-51.821	0.3927849	0.030484	0.0013
72 630174029		170.37	14.361	-53.153	0.3972365	-0.014089	
72 630174059	0.3789	171.98	14.961	-54.491	0.3794742	-0.060671	-0.0006
72 630174159	0.2939	175.09	16.133	-57.181	0.2946899	-0.114146	-0.0008
72 630174229		176.59	16.705	-58.535	0.2398797	-0.121026	
72 630174259	0.1860	178.05	17.268	-59.895	0.1843663	-0.118633	0.0016
72 630174329		179.48	17.820	-61.260	0.1311557	-0.110934	
72 630174359	0.0808	180.86	18.362	-62.633	0.0823619	-0.100444	-0.0016
72 630174459	0.0007	183.51	19.415	-65.397	-0.0003862	-0.078597	0.0011
72 630174529		184.78	19.924	-66.789	-0.0340702	-0.067239	
72 630174559	-0.0625	186.00	20.422	-68.189	-0.0617887	-0.051429	-0.0007
72 630174629		187.18	20.909	-69.596	-0.0802243	-0.026975	
72 630174659	-0.0860	188.31	21.383	-71.010	-0.0845449	-0.000926	0.0005
72 630174759	-0.0693	190.44	22.294	-73.860	-0.0690924	-0.034918	-0.0002
72 630174829		191.44	22.730	-75.296	-0.0504980	0.044709	
72 630174859	-0.0289	192.39	23.154	-76.741	-0.0289425	0.047147	0.0000
72 630174929		193.30	23.563	-78.192	-0.0083923	0.040308	
72 630174959	0.0077	194.16	23.959	-79.651	0.0076983	0.029703	0.0000
72 630175059	0.0272	195.73	24.707	-82.592	0.0272017	0.013700	0.0000
72 630175129		196.45	25.060	-84.074	0.0322156	0.008305	
72 630175159	0.0351	197.11	25.397	-85.563	0.0350996	0.004397	0.0000
72 630175229		197.73	25.720	-87.058	0.0364647	0.001721	
72 630175259	0.0363	198.30	26.027	-88.562	0.0363000	-0.003483	0.0000
72 630175359	0.0215	199.28	26.593	-91.588	0.0215000	-0.032769	0.0000

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-1.530460 0.5649161
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GM = 4902.780
ERAD = 383552.7
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ELON = -5.620697 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DIFIT = 0.2000000
CONCAC = 1.083000
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72 630144728 0.2559 44.80 -23.504 92.048 0.2559578 -0.429066 -0.0001
72 630144828 0.1365 42.90 -24.435 88.614 0.1349387 0.117133 0.0016
72 630144858 42.04 -24.872 86.876 0.2290811 0.278188
72 630144928 0.3707 41.23 -25.289 85.125 0.3777503 0.347964 -0.0071
72 630145028 0.6624 39.80 -26.062 81.582 0.6473657 0.164159 0.0150
72 630145058 39.17 -26.416 79.792 0.6687565 -0.089476
72 630145128 0.5508 38.61 -26.749 77.990 0.5688201 -0.316779 -0.0180
72 630145158 38.10 -27.058 76.177 0.4009188 -0.383745
72 630145228 0.2390 37.66 -27.345 74.353 0.2285811 -0.359115 0.0104
72 630145328 -0.0527 36.96 -27.847 70.677 -0.0557156 -0.241477 0.0030
72 630145358 36.70 -28.061 68.825 -0.1466166 -0.148458
72 630145428 -0.2117 36.50 -28.251 66.967 -0.1976528 -0.086954 -0.0140
72 630145458 36.37 -28.416 65.102 -0.2401077 -0.111241
72 630145528 -0.2800 36.30 -28.555 63.231 -0.3035147 -0.155997 0.0235
72 630145628 -0.4744 36.36 -28.757 59.477 -0.4405631 -0.110944 -0.0338
72 630145658 36.48 -28.819 57.596 -0.4727774 -0.021113
72 630145728 -0.4243 36.66 -28.855 55.713 -0.4645911 0.039309 0.0403
72 630145758 36.91 -28.866 53.830 -0.4524325 -0.003925
72 630145828 -0.5132 37.22 -28.850 51.947 -0.4728097 -0.077052 -0.0404
72 630145928 -0.5266 38.02 -28.740 48.189 -0.5642433 -0.091754 0.0376
72 630145958 38.52 -28.646 46.315 -0.5948036 -0.033306
72 63015 028 -0.6249 39.07 -28.527 44.446 -0.5927552 0.039744 -0.0321
72 63015 058 39.69 -28.383 42.582 -0.5603498 0.098181
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72 63015 228 -0.3941 41.90 -27.801 37.037 -0.3953555 0.084361 0.0013
72 63015 258 42.75 -27.559 35.207 -0.3731921 0.005446
72 63015 328 -0.4035 43.66 -27.293 33.387 -0.3920304 -0.04582 -0.0115
72 63015 358 44.63 -27.004 31.577 -0.4490100 -0.159742
72 63015 428 -0.5266 45.66 -26.693 29.779 -0.5303726 -0.175427 0.0038
72 63015 528 -0.5821 47.87 -26.005 26.221 -0.5947608 0.105327 0.0127
72 63015 558 49.05 -25.630 24.461 -0.4816814 0.401818
72 63015 628 -0.2560 50.29 -25.234 22.716 -0.2355764 0.621527 -0.0204
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72 63015 728 0.2967 52.91 -24.383 19.266 0.2862330 0.434207 0.0105
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72 63015 928 0.7473 58.74 -22.467 12.543 0.7653273 0.169360 -0.0180
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72 630151428 1.0618 76.17 -16.660 -3.230 1.0577226 -0.383198 0.0041
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 TRANSX = 0.0000000E+00,
 TRANSY = 0.0000000E+00,
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 ELON = -5.614014 2*0.0000000E+00,
 ROTR = 8.9400001E-03,
 DTEIT = 0.2000000
 CONEAC = 1.083000
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72 630 84157	0.1981	51.57	-20.561	92.651	0.1900859	0.022406	0.0000	
72 630 84257	0.1092	48.08	-21.608	89.304	0.1095001	-0.120521	-0.0004	
72 630 84327		47.61	-22.230	87.729	0.0806490	0.016500		
72 630 84357	0.1321	46.39	-22.755	86.050	0.1303037	0.181349	0.0017	
72 630 84457	0.3442	44.12	-23.754	82.672	0.3478527	0.227636	-0.0037	
72 630 84527		43.07	-24.227	80.957	0.4296419	0.111162		
72 630 84557	0.4467	42.08	-24.681	79.228	0.4424930	-0.057310	0.0042	
72 630 84627		41.14	-25.115	77.484	0.3750446	-0.236696		
72 630 84657	0.2295	40.27	-25.530	75.726	0.2312334	-0.360672	-0.0017	
72 630 84757	-0.1195	38.69	-26.297	72.171	-0.1171412	-0.315418	-0.0024	
72 630 84827		37.99	-26.648	70.374	-0.2240729	-0.139108		
72 630 84857	-0.2308	37.36	-26.976	68.565	-0.2422123	0.023457	0.0034	
72 630 84927		36.79	-27.282	66.745	-0.2284067	0.008190		
72 630 84957	-0.2422	36.27	-27.564	64.913	-0.2444851	-0.071017	0.0023	
72 630 85057	-0.3506	35.44	-28.057	61.222	-0.3390448	-0.106471	-0.0116	
72 630 85127		35.12	-28.266	59.363	-0.3796755	-0.062709		
72 630 85157	-0.3832	34.87	-28.450	57.497	-0.3956875	-0.010756	0.0125	
72 630 85227		34.68	-28.609	55.625	-0.3933941	0.016509		
72 630 85257	-0.3786	34.55	-28.742	53.746	-0.3844419	0.017473	0.0058	
72 630 85357	-0.4330	34.49	-28.931	49.977	-0.3979907	-0.065695	-0.0350	
72 630 85427		34.55	-28.986	48.089	-0.4466345	-0.149748		
72 630 85457	-0.4821	34.68	-29.015	46.199	-0.5206180	-0.104127	0.0465	
72 630 85527		34.88	-29.017	44.309	-0.5970045	-0.090846		
72 630 85557	-0.6263	35.14	-28.994	42.419	-0.6054543	0.040229	-0.0208	
72 630 85657	-0.4960	35.85	-28.867	38.648	-0.4713632	0.218164	-0.0246	
72 630 85727		36.30	-28.765	36.768	-0.3621302	0.249022		
72 630 85757	-0.2008	36.81	-28.637	34.893	-0.2511881	0.216446	0.0304	
72 630 85827		37.39	-28.484	33.024	-0.1762454	0.093073		
72 630 85857	-0.2038	38.03	-28.305	31.162	-0.1646407	-0.026354	-0.0392	
72 630 85957	-0.1827	39.49	-27.873	27.463	-0.1929349	0.030061	0.0102	
72 630 9 027		40.31	-27.621	25.629	-0.1417077	0.230703		
72 630 9 057	0.0088	41.19	-27.345	23.804	-0.0029821	0.373440	0.0118	
72 630 9 127		42.13	-27.047	21.991	0.1846303	0.419280		
72 630 9 157	0.3484	43.12	-26.725	20.190	0.3735561	0.396104	-0.0252	
72 630 9 257	0.7357	45.29	-26.016	16.625	0.6989015	0.296664	0.0368	
72 630 9 327		46.45	-25.630	14.863	0.8189079	0.220241		
72 630 9 357	0.8633	47.67	-25.223	13.115	0.9027737	0.147134	-0.0395	
72 630 9 427		48.95	-24.797	11.301	0.9585226	0.090438		
72 630 9 457	1.0191	50.27	-24.352	9.662	0.9964082	0.067552	0.0227	
72 630 9 557	1.0473	53.06	-23.407	6.268	1.0423431	0.039419	0.0050	
72 630 9 627		54.54	-22.908	4.594	1.0607460	0.042171		
72 630 9 657	1.0612	56.06	-22.393	2.935	1.0812796	0.044906	-0.0201	
72 630 9 727		57.62	-21.863	1.291	1.1004792	0.036392		
72 630 9 757	1.1212	59.23	-21.317	-0.338	1.1098011	-0.005142	0.0114	
72 630 9 857	1.0164	62.58	-20.182	-3.550	1.0076782	-0.252504	0.0087	
72 630 9 927		64.32	-19.595	-5.134	0.8456412	-0.458492		

72 630 9 957	0.5714	66.09	-18.995	-6.703	0.5910442	-0.620735	-0.0196
72 630 91027		67.90	-18.304	-8.257	0.2943503	-0.640856	
72 630 91057	0.0217	69.75	-17.761	-9.790	0.0090454	-0.597669	0.0127
72 630 91057	-0.5166	73.58	-16.485	-12.837	-0.5196443	-0.557810	0.0030
72 630 91227		75.50	-15.832	-14.337	-0.7773459	-0.561130	
72 630 91257	-1.0447	77.47	-15.171	-15.824	-1.0325273	-0.530352	-0.0122
72 630 91327		79.48	-14.501	-17.290	-1.2541667	-0.415034	
72 630 91357	-1.4018	81.51	-13.824	-18.760	-1.4100039	-0.264352	0.0090
72 630 91457	-1.5257	85.65	-12.450	-21.650	-1.5255039	0.009203	-0.0001
72 630 91527		87.76	-11.754	-23.078	-1.4927700	0.131275	
72 630 91557	-1.4138	89.88	-11.052	-24.496	-1.4880016	0.224549	-0.0056
72 630 91627		92.02	-10.345	-25.903	-1.2927945	0.270028	
72 630 91657	-1.1600	94.18	-9.634	-27.301	-1.1629251	0.293043	0.0029
72 630 91757	-0.8655	98.55	-8.201	-30.070	-0.8600667	0.347659	0.0025
72 630 91827		100.75	-7.480	-31.442	-0.7003143	0.379261	
72 630 91857	-0.5257	102.96	-6.756	-32.806	-0.5205181	0.393376	-0.0052
72 630 91927		105.19	-6.031	-34.163	-0.3430324	0.369252	
72 630 91957	-0.1802	107.42	-5.304	-35.513	-0.1824474	0.326499	0.0022
72 630 92057	0.0037	111.69	-3.846	-38.194	0.0001764	0.242731	0.0035
72 630 92127		114.14	-3.117	-39.526	0.1827502	0.201716	
72 630 92157	0.2609	116.38	-2.380	-40.853	0.2675681	0.160877	-0.0067
72 630 92227		118.63	-1.659	-42.175	0.3401270	0.140610	
72 630 92257	0.4098	120.87	-0.931	-43.494	0.4050477	0.130824	0.0048
72 630 92357	0.4974	125.34	0.520	-46.119	0.4977776	0.062821	-0.0004
72 630 92427		127.58	1.243	-47.428	0.5156047	0.012604	
72 630 92457	0.5097	129.79	1.964	-48.734	0.5120543	-0.020468	-0.0024
72 630 92527		132.01	2.681	-50.038	0.5036466	-0.000438	
72 630 92557	0.5089	134.21	3.396	-51.340	0.5067305	0.019625	0.0022
72 630 92657	0.5360	138.57	4.815	-53.943	0.5367210	0.036644	-0.0007
72 630 92727		140.73	5.519	-55.243	0.5515911	0.025601	
72 630 92757	0.5506	142.87	6.218	-56.543	0.5506394	0.003300	0.0000
72 630 92827		145.00	6.912	-57.846	0.5532778	-0.028160	
72 630 92857	0.5313	147.11	7.601	-59.146	0.5319055	-0.064459	-0.0006
72 630 92957	0.4406	151.26	8.964	-61.754	0.4306531	-0.137660	0.0019
72 630 93027		153.30	9.636	-63.061	0.3665875	-0.174562	
72 630 93057	0.2767	155.31	10.302	-64.370	0.2793765	-0.199073	-0.0027
72 630 93127		157.31	10.961	-65.682	0.1866163	-0.190601	
72 630 93157	0.1007	159.27	11.613	-66.997	0.0904782	-0.182002	0.0022
72 630 93257	-0.0476	163.12	12.896	-69.637	-0.0464141	-0.126987	-0.0012
72 630 93327		165.00	13.525	-70.963	-0.0964537	-0.088572	
72 630 93357	-0.1284	166.84	14.147	-72.294	-0.1208306	-0.054266	0.0004
72 630 93427		168.66	14.760	-73.629	-0.1489452	-0.035452	
72 630 93457	-0.1620	170.43	15.364	-74.969	-0.1627302	-0.024206	-0.0001
72 630 93557	-0.1745	173.09	16.545	-77.665	-0.1743175	-0.000657	-0.0002
72 630 93627		175.57	17.120	-79.021	-0.1717940	0.011647	
72 630 93657	-0.1635	177.20	17.606	-80.384	-0.1638741	0.021929	0.0004
72 630 93727		178.00	18.242	-81.753	-0.1522227	0.027812	
72 630 93757	-0.1392	180.36	18.787	-83.128	-0.1306839	0.030508	-0.0005
72 630 93857	-0.1095	183.35	19.044	-85.890	-0.1101579	0.029960	0.0007
72 630 93927		184.79	20.355	-87.793	-0.0969906	0.026717	
72 630 93957	-0.0070	186.18	20.855	-88.696	-0.0862989	0.018210	-0.0007
72 630 94027		187.53	21.342	-90.106	-0.0814992	0.001158	
72 630 94057	-0.0047	188.84	21.818	-91.523	-0.0852339	-0.015920	0.0005
72 630 94157	-0.1063	191.31	22.729	-94.379	-0.1065502	-0.024587	-0.0002
72 630 94227		192.48	23.165	-95.818	-0.1162865	-0.016175	
72 630 94257	-0.1210	193.68	23.588	-97.265	-0.1210560	-0.004972	0.0001
72 630 94327		194.68	23.997	-98.719	-0.1213260	0.003317	
72 630 94357	-0.1166	195.70	24.391	-100.182	-0.1165975	0.020676	0.0000
72 630 94457	-0.0508	197.61	25.137	-103.128	-0.0508001	0.118548	0.0000

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 ICOORD = 1,
 TSTATE = 1501.278 128.7546 -798.2025 0.3189383
 -1.639994 0.3016011
 LONP = 999.0000
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 TRANS = 0.0000000E+00
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 ROTR = 8.9400000E-03
 DITIT = 0.2000000
 CONCAC = 1.083000
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YYMMDDHHSS	Hr	Km	Deg.	Deg.	Hr	mm/s**2	Hr
72 630163130	0.1881	75.60	-13.128	95.394	0.1881204	0.120255	0.0000
72 630163230	0.2493	71.57	-14.505	92.458	0.2487495	0.009966	0.0006
72 630163300		69.61	-15.182	90.972	0.2401125	-0.047657	
72 630163330	0.2056	67.68	-15.851	89.474	0.2080932	-0.083524	-0.0025
72 630163430	0.1520	63.93	-17.162	86.437	0.1465644	-0.019769	0.0055
72 630163500		62.11	-17.802	84.898	0.1586369	0.079854	
72 630163530	0.2014	60.33	-18.432	83.344	0.2120936	0.126552	-0.0107
72 630163600		58.60	-19.050	81.777	0.2522500	0.022237	
72 630163630	0.2484	56.91	-19.656	80.195	0.2253889	-0.129107	0.0230
72 630163730	-0.0122	53.66	-20.829	76.987	0.0277841	-0.260936	-0.0400
72 630163800		52.11	-21.395	75.360	-0.0903714	-0.241421	
72 630163830	-0.1448	50.61	-21.946	73.718	-0.1873849	-0.171547	0.0426
72 630163900		49.16	-22.481	72.061	-0.2420363	-0.057908	
72 630163930	-0.2542	47.75	-23.000	70.388	-0.2416613	0.050493	-0.0125
72 630164030	-0.1894	45.11	-23.988	66.997	-0.1533761	0.104572	-0.0360
72 630164100		43.87	-24.454	65.279	-0.1155497	0.050251	
72 630164130	-0.0498	42.69	-24.902	63.546	-0.1119545	-0.036420	0.0622
72 630164200		41.56	-25.331	61.798	-0.1507883	-0.133552	
72 630164230	-0.2766	40.49	-25.739	60.037	-0.2312507	-0.204561	-0.0453
72 630164300	-0.4106	38.54	-26.492	56.472	-0.4181515	-0.158463	0.0076
72 630164400		37.65	-26.836	54.670	-0.4666905	-0.041357	
72 630164430	-0.4461	36.82	-27.158	52.856	-0.4631741	0.031334	0.0171
72 630164500		36.06	-27.456	51.030	-0.4610777	-0.047509	
72 630164530	-0.5298	35.36	-27.731	49.193	-0.5104989	-0.148816	-0.0193
72 630164630	-0.6146	34.15	-28.208	45.489	-0.6266123	-0.031615	0.0120
72 630164700		33.64	-28.409	43.623	-0.5948689	0.186895	
72 630164730	-0.4619	33.19	-28.585	41.751	-0.4624198	0.358959	0.0005
72 630164800		32.82	-28.735	39.871	-0.3039784	0.299528	
72 630164830	-0.2274	32.54	-28.860	37.986	-0.1979066	0.169217	-0.0294
72 630164930	-0.0303	32.08	-29.030	34.202	-0.0990635	0.081889	0.0696
72 630165000		31.97	-29.075	32.307	-0.0544118	0.124711	
72 630165030	-0.0691	31.92	-29.094	30.489	0.0179136	0.184675	-0.0870
72 630165100		31.94	-29.087	28.512	0.1124763	0.221926	
72 630165130	0.2779	32.03	-29.053	26.615	0.2198456	0.243361	0.0581
72 630165230	0.4556	32.41	-28.905	22.829	0.4684288	0.274780	-0.0048
72 630165300		32.69	-28.792	20.942	0.5895480	0.283863	
72 630165330	0.6928	33.05	-28.653	19.060	0.7188708	0.269177	-0.0261
72 630165400		33.46	-28.488	17.184	0.8314591	0.211369	
72 630165430	0.9271	33.95	-28.298	15.315	0.9114673	0.136840	0.0175
72 630165530	0.9934	35.11	-27.842	11.604	0.9794285	0.016817	0.0142
72 630165600		35.79	-27.577	9.762	0.9763184	-0.028677	
72 630165630	0.9216	36.53	-27.289	7.931	0.9322139	-0.078950	-0.0306
72 630165700		37.33	-26.978	6.112	0.9004583	-0.148462	
72 630165730	0.8372	38.20	-26.643	4.385	0.8149780	-0.218962	0.0222
72 630165830	0.5645	40.11	-25.909	0.729	0.5662949	-0.388178	-0.0818
72 630165900		41.16	-25.509	-1.039	0.4194305	-0.328894	
72 630165930	0.2550	42.26	-25.090	-2.792	0.2648961	-0.329739	-0.0119
72 630170000		43.43	-24.650	-4.532	0.1167914	-0.318101	

72 63017030	-0.0128	44.65	-24.192	-6.256	-0.0272587	-0.389273	0.0145
72 63017130	-0.3389	47.25	-23.220	-9.660	-0.3263300	-0.351916	-0.0126
72 63017200		48.63	-22.788	-11.339	-0.4999120	-0.483387	
72 63017230	-0.6845	50.06	-22.179	-13.083	-0.6929036	-0.416524	0.0084
72 63017300		51.55	-21.635	-14.651	-0.8696223	-0.337893	
72 63017330	-0.9922	53.08	-21.075	-16.284	-0.9945109	-0.211747	0.0023
72 63017430	-1.1192	56.29	-19.914	-19.505	-1.1015857	-0.034669	-0.0176
72 63017500		57.97	-19.314	-21.094	-1.1038438	0.021264	
72 63017530	-1.0473	59.69	-18.781	-22.667	-1.0764908	0.112601	0.0292
72 63017600		61.45	-18.076	-24.226	-0.9855314	0.296886	
72 63017630	-0.8358	63.25	-17.441	-25.771	-0.7993806	0.581276	-0.0365
72 63017730	-0.1603	66.97	-16.139	-28.819	-0.2036798	0.754159	0.0434
72 63017800		68.89	-15.473	-30.323	0.1576792	0.802573	
72 63017830	0.4527	70.84	-14.800	-31.815	0.5052338	0.642067	-0.0525
72 63017900		72.83	-14.118	-33.294	0.6942409	0.115741	
72 63017930	0.6809	74.84	-13.429	-34.760	0.6101137	-0.423522	0.0708
72 630171030	-0.0081	78.97	-12.031	-37.653	0.0873229	-0.482212	-0.0954
72 630171100		81.07	-11.323	-39.022	-0.0374479	-0.001637	
72 630171130	0.1765	83.20	-10.610	-40.515	0.0752432	0.410268	0.1013
72 630171200		85.35	-9.892	-41.928	0.2679265	0.344889	
72 630171230	0.2992	87.53	-9.171	-43.331	0.3645533	0.090114	-0.0654
72 630171330	0.3246	91.94	-7.717	-46.111	0.3186125	-0.123960	0.0060
72 630171400		94.17	-6.986	-47.488	0.2669885	-0.083260	
72 630171430	0.2751	96.42	-6.253	-48.858	0.2449403	-0.021722	0.0302
72 630171500		98.68	-5.518	-50.221	0.2381867	-0.017084	
72 630171530	0.2018	100.95	-4.782	-51.577	0.2270148	-0.026742	-0.0252
72 630171630	0.2254	105.53	-3.307	-54.271	0.2233897	0.037493	0.0020
72 630171700		107.83	-2.507	-55.609	0.2567025	0.111468	
72 630171730	0.3342	110.13	-1.833	-56.943	0.3217495	0.155777	0.0125
72 630171800		112.44	-1.097	-58.273	0.3671158	0.112851	
72 630171830	0.4091	114.75	-0.362	-59.598	0.4199242	0.030758	-0.0108
72 630171930	0.3842	119.38	1.102	-62.239	0.3821131	-0.106723	0.0021
72 630172000		121.69	1.831	-63.555	0.3197130	-0.162111	
72 630172030	0.2400	123.99	2.557	-64.869	0.2365219	-0.198885	0.0035
72 630172100		126.29	3.280	-66.182	0.1582790	-0.175331	
72 630172130	0.0745	128.58	3.999	-67.493	0.0777898	-0.139231	-0.0033
72 630172230	-0.0203	133.14	5.426	-70.112	-0.0209222	-0.076736	0.0086
72 630172300		135.41	6.133	-71.422	-0.0501320	-0.050340	
72 630172330	-0.0676	137.65	6.835	-72.732	-0.0686680	-0.032104	0.0011
72 630172400		139.89	7.531	-74.042	-0.0817892	-0.026952	
72 630172430	-0.0951	142.10	8.223	-75.354	-0.0941921	-0.025994	-0.0009
72 630172530	-0.1123	146.49	9.587	-77.981	-0.1122489	-0.009906	-0.0001
72 630172600		148.65	10.260	-79.298	-0.1135658	0.005864	
72 630172630	-0.1070	150.79	10.926	-80.618	-0.1076896	0.019355	0.0007
72 630172700		152.91	11.585	-81.941	-0.0966504	0.027431	
72 630172730	-0.0837	155.00	12.236	-83.266	-0.0829387	0.031884	-0.0008
72 630172830	-0.0502	159.11	13.516	-85.929	-0.0508089	0.036978	0.0006
72 630172900		161.12	14.143	-87.267	-0.0335060	0.037779	
72 630172930	-0.0172	163.10	14.761	-88.609	-0.0178319	0.031387	-0.0002
72 630173000		165.06	15.371	-89.955	-0.0045558	0.011796	
72 630173030	-0.0079	166.98	15.971	-91.307	-0.0068196	-0.012212	-0.0011
72 630173130	-0.0327	170.72	17.142	-94.027	-0.0355640	-0.047140	0.0029
72 630173200		172.55	17.713	-95.396	-0.0680165	-0.058861	
72 630173230	-0.0915	174.33	18.273	-96.770	-0.0877192	-0.059521	-0.0038
72 630173300		176.88	18.822	-98.151	-0.1127352	-0.046422	
72 630173330	-0.1262	177.79	19.360	-99.538	-0.1292186	-0.024453	0.0030
72 630173430	-0.1295	181.89	20.482	-102.333	-0.1280839	0.029033	-0.0014
72 630173500		182.68	20.984	-103.740	-0.1075271	0.060550	
72 630173530	-0.0768	184.23	21.595	-105.155	-0.0711176	0.098935	0.0003
72 630173600		185.74	21.873	-106.576	-0.0145580	0.147875	
72 630173630	0.0650	187.20	22.338	-108.005	0.0650142	0.194149	0.0008
72 630173730	0.2699	189.99	23.228	-110.885	0.2698995	0.239042	0.0008

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72 630181936	0.4742	115.17	-1.498	103.709	0.4741903	-0.094221	0.0000
72 630182036	0.4692	110.28	-2.969	101.054	0.4694615	0.072202	-0.0003
72 6301821 6		107.84	-3.705	99.719	0.5165818	0.128928	
72 630182136	0.5834	105.41	-4.442	98.378	0.5822170	0.144813	0.0012
72 630182236	0.6591	100.56	-5.912	95.677	0.6616746	-0.015369	-0.0026
72 6301823 6		98.15	-6.645	94.317	0.6163732	-0.191499	
72 630182336	0.4945	95.76	-7.377	92.948	0.4982213	-0.332917	0.0043
72 6301824 6		93.37	-8.106	91.572	0.3294693	-0.341062	
72 630182436	0.1782	91.01	-8.833	90.186	0.1855597	-0.282486	-0.0074
72 630182536	-0.0097	86.33	-10.276	87.389	-0.0210442	-0.164935	0.0113
72 6301826 6		84.02	-10.591	85.975	-0.0835978	-0.105960	
72 630182636	-0.1328	81.73	-11.702	84.551	-0.1230088	-0.073739	-0.0098
72 6301827 6		79.47	-12.488	83.116	-0.1599329	-0.095115	
72 630182736	-0.2179	77.24	-13.107	81.670	-0.2126017	-0.128613	-0.0053
72 630182836	-0.3000	72.66	-14.487	78.742	-0.3282785	-0.102175	0.0283
72 6301829 6		70.71	-15.166	77.260	-0.3630701	-0.043411	
72 630182936	-0.4055	68.60	-15.836	75.764	-0.3693007	0.009320	-0.0362
72 6301830 6		66.52	-16.498	74.255	-0.3610108	0.019483	
72 630183036	-0.3411	64.48	-17.151	72.733	-0.3528875	0.019400	0.0118
72 630183136	-0.2812	60.52	-18.425	69.645	-0.3112329	0.085565	0.0300
72 6301832 6		58.59	-19.046	68.079	-0.2572693	0.151835	
72 630183236	-0.2260	56.72	-19.655	66.498	-0.1754149	0.189703	-0.0506
72 6301833 6		54.88	-20.251	64.902	-0.0942463	0.148679	
72 630183336	-0.0151	53.10	-20.834	63.291	-0.0438267	0.070573	0.0287
72 630183436	-0.0313	49.67	-21.957	60.022	-0.0457508	-0.071615	0.0145
72 6301835 6		48.03	-22.496	58.364	-0.0937978	-0.135692	
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72 6301836 6		44.91	-23.524	55.098	-0.2594996	-0.205263	
72 630183636	-0.3349	43.44	-24.013	53.295	-0.3525318	-0.190218	0.0176
72 630183736	-0.4429	40.65	-24.934	49.838	-0.4649265	-0.022685	0.0220
72 6301838 6		39.34	-25.366	48.087	-0.4419465	0.129849	
72 630183836	-0.3963	38.10	-25.778	46.321	-0.3501873	0.249015	-0.0461
72 6301839 6		36.91	-26.169	44.541	-0.2293886	0.255752	
72 630183936	-0.0818	35.79	-26.538	42.747	-0.1238942	0.198394	0.0421
72 630184036	-0.0359	33.73	-27.211	39.119	-0.0106257	0.036457	-0.0253
72 6301841 6		32.80	-27.512	37.286	-0.0173348	-0.068137	
72 630184136	-0.0557	31.93	-27.790	35.441	-0.0655695	-0.121026	0.0099
72 6301842 6		31.13	-28.043	33.586	-0.1187549	-0.054810	
72 630184236	-0.1012	30.40	-28.272	31.721	-0.1085509	0.061679	0.0074
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72 6301844 6		28.60	-28.886	26.076	0.1553156	0.298647	
72 630184436	0.3323	28.15	-28.932	24.181	0.2995704	0.331577	0.0327
72 6301845 6		27.76	-29.031	22.280	0.4588341	0.360471	
72 630184536	0.6251	27.44	-29.104	20.376	0.6288058	0.365876	-0.0037
72 630184636	0.8900	27.01	-29.170	18.560	0.9340250	0.271952	-0.0440

72 6301847 6		26.91	-29.162	14.651	1.0380119	0.172588	
72 630184736	1.1558	26.87	-29.127	12.742	1.0984753	0.054201	0.0655
72 6301848 6		26.91	-29.066	10.835	1.0875349	-0.067474	
72 630184836	0.9989	27.01	-28.977	8.931	1.0313454	-0.168646	-0.0324
72 630184936	0.8011	27.44	-28.721	5.137	0.8297243	-0.238640	-0.0286
72 6301850 6		27.76	-28.554	3.248	0.7250315	-0.207419	
72 630185036	0.7024	28.14	-28.360	1.367	0.6379523	-0.177779	0.0644
72 6301851 6		28.60	-28.141	-0.587	0.5536884	-0.195431	
72 630185136	0.4005	29.13	-27.898	-2.371	0.4544666	-0.233212	-0.0539
72 630185236	0.2337	30.39	-27.336	-6.069	0.2117341	-0.287736	0.0220
72 6301853 6		31.12	-27.020	-7.901	0.0747250	-0.304472	
72 630185336	-0.0714	31.93	-26.680	-9.720	-0.0695717	-0.322317	-0.0018
72 6301854 6		32.79	-26.318	-11.527	-0.2243201	-0.349433	
72 630185436	-0.3367	33.72	-25.934	-13.320	-0.3894962	-0.358843	0.0028
72 630185536	-0.6942	35.78	-25.102	-16.865	-0.6814157	-0.243676	-0.0128
72 6301856 6		36.90	-24.655	-18.616	-0.7668886	-0.119054	
72 630185636	-0.7781	38.09	-24.190	-20.352	-0.7945985	-0.015442	0.0165
72 6301857 6		39.33	-23.705	-22.072	-0.7944614	0.001594	
72 630185736	-0.8062	40.64	-23.203	-23.777	-0.7998712	-0.025210	-0.0063
72 630185836	-0.8603	43.43	-22.146	-27.141	-0.8490413	-0.001995	-0.0113
72 6301859 6		44.90	-21.594	-28.799	-0.8937885	-0.111978	
72 630185936	-0.9205	46.44	-21.026	-30.442	-0.9400921	-0.061750	0.0196
72 63019 0 6		48.02	-20.444	-32.070	-0.9259192	0.158867	
72 63019 036	-0.8080	49.66	-19.848	-33.682	-0.7987664	0.388869	-0.0092
72 63019 136	-0.3807	53.09	-18.617	-36.861	-0.3700494	0.465193	-0.0107
72 63019 2 6		54.88	-17.983	-38.429	-0.1838940	0.320191	
72 63019 236	-0.0569	56.71	-17.339	-39.982	-0.0781931	0.158948	0.0213
72 63019 3 6		58.59	-16.683	-41.521	-0.0335229	0.055659	
72 63019 336	-0.0317	60.51	-16.019	-43.046	-0.0176833	0.020149	-0.0140
72 63019 436	0.0125	64.47	-14.662	-46.056	0.0145142	0.078362	-0.0020
72 63019 5 6		66.51	-13.971	-47.543	0.0706519	0.172008	
72 63019 536	0.1815	68.59	-13.274	-49.016	0.1780949	0.244726	0.0114
72 63019 6 6		70.70	-12.569	-50.478	0.2835497	0.232468	
72 63019 636	0.3690	72.84	-11.859	-51.929	0.3774543	0.172759	-0.0085
72 63019 736	0.4709	77.23	-10.421	-54.797	0.4711288	0.029528	-0.0082
72 63019 8 6		79.46	-9.695	-56.217	0.4617037	-0.006803	
72 63019 836	0.4167	81.72	-8.965	-57.626	0.4189183	-0.158852	0.0058
72 63019 9 6		84.01	-8.232	-59.026	0.3253523	-0.216825	
72 63019 936	0.2112	86.32	-7.496	-60.418	0.2170262	-0.243886	-0.0058
72 630191036	0.0354	91.00	-6.017	-63.177	0.0318835	-0.118589	0.0035
72 6301911 6		93.36	-5.275	-64.545	0.0096985	0.032367	
72 630191136	0.0539	95.75	-4.532	-65.907	0.0555284	0.142916	-0.0016
72 6301912 6		98.14	-3.788	-67.262	0.1201448	0.113611	
72 630191236	0.1526	100.55	-3.044	-68.611	0.1524291	0.032225	0.0002
72 630191336	0.1468	105.40	-1.558	-71.295	0.1454708	-0.023498	0.0013
72 6301914 6		107.83	-0.816	-72.629	0.1391785	0.002199	
72 630191436	0.1457	110.27	-0.076	-73.960	0.1478899	0.029935	-0.0021
72 6301915 6		112.72	0.662	-75.287	0.1619571	0.026664	
72 630191536	0.1710	115.16	1.398	-76.611	0.1694527	0.006427	0.0015
72 630191636	0.1570	120.05	2.861	-79.252	0.1573386	-0.032634	-0.0003
72 6301917 6		122.49	3.588	-80.569	0.1377728	-0.052057	
72 630191736	0.1097	124.93	4.311	-81.885	0.1099810	-0.066832	-0.0003
72 6301918 6		127.36	5.030	-83.208	0.0774772	-0.072464	
72 630191836	0.0439	129.78	5.744	-84.515	0.0442192	-0.078873	-0.0003
72 630191936	-0.0129	134.59	7.158	-87.144	0.0144262	-0.052823	0.0015
72 6301920 6		136.98	7.857	-88.460	-0.0351966	-0.036380	
72 630192036	-0.0500	139.35	8.550	-89.776	-0.0478139	-0.018954	-0.0022
72 6301921 6		141.71	9.237	-91.094	-0.0532073	-0.004935	
72 630192136	-0.0517	144.84	9.918	-92.414	-0.0534646	-0.002825	0.0018
72 630192236	-0.0576	148.66	11.258	-95.060	-0.0567749	-0.016376	-0.0008
72 6301923 6		150.94	11.917	-96.388	-0.0697734	-0.041747	
72 630192336	-0.0932	153.20	12.568	-97.718	-0.0933629	-0.054547	0.0002
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72 630 81630	0.7381	121.54	-0.130	99.296	0.7380297	-0.058738	0.0001
72 630 817 0		119.08	-0.860	97.981	0.7541777	-0.007862	
72 630 81730	0.7218	116.63	-1.592	96.662	0.7221161	-0.130697	-0.0003
72 630 81830	0.4908	111.71	-3.060	94.010	0.4901616	-0.370308	0.0006
72 630 819 0		109.26	-3.794	92.676	0.2921089	-0.487244	
72 630 81930	0.0506	106.81	-4.528	91.337	0.0505454	-0.537261	0.0001
72 630 820 0		104.37	-5.262	89.991	-0.1837115	-0.455592	
72 630 82030	-0.3650	101.93	-5.994	88.639	-0.3616101	-0.318557	-0.0034
72 630 82130	-0.5435	97.09	-7.455	85.912	-0.5517928	-0.107348	0.0083
72 630 822 0		94.69	-8.182	84.537	-0.5834247	-0.033174	
72 630 82230	-0.5991	92.30	-8.907	83.153	-0.5898365	-0.007164	-0.0093
72 630 823 0		89.93	-9.628	81.760	-0.6016394	-0.056529	
72 630 82330	-0.6423	87.57	-10.345	80.357	-0.6436822	-0.116610	0.0014
72 630 82430	-0.7373	82.93	-11.767	77.521	-0.7487240	-0.074958	0.0114
72 630 825 0		80.64	-12.470	76.087	-0.7619163	0.026791	
72 630 82530	-0.7414	78.38	-13.168	74.642	-0.7243404	0.126230	-0.0171
72 630 826 0		76.15	-13.859	73.185	-0.6543704	0.167123	
72 630 82630	-0.5639	73.94	-14.543	71.715	-0.5738445	0.183201	0.0079
72 630 82730	-0.3714	69.62	-15.888	68.739	-0.3802306	0.242111	0.0088
72 630 828 0		67.52	-16.547	67.230	-0.2589086	0.284942	
72 630 82830	-0.1425	65.44	-17.198	65.708	-0.0196362	0.277407	-0.0176
72 630 829 0		63.41	-17.838	64.172	-0.0196362	0.168222	
72 630 82930	0.0295	61.41	-18.468	62.621	-0.0186838	0.014563	0.0108
72 630 83030	-0.0419	57.54	-19.692	59.476	-0.0455942	-0.118656	0.0037
72 630 831 0		55.67	-20.286	57.880	-0.0995308	-0.106215	
72 630 83130	-0.1540	53.85	-20.867	56.269	-0.1417070	-0.081028	-0.0123
72 630 832 0		52.08	-21.433	54.643	-0.1785357	-0.083049	
72 630 83230	-0.2069	50.35	-21.985	53.001	-0.2169012	-0.075389	0.0100
72 630 83330	-0.2320	47.05	-23.042	49.669	-0.2292739	0.079636	-0.0027
72 630 834 0		45.47	-23.546	47.979	-0.1602804	0.227003	
72 630 83430	-0.0303	43.95	-24.032	46.274	-0.0288345	0.314807	-0.0015
72 630 835 0		42.49	-24.500	44.554	0.1048999	0.236915	
72 630 83530	0.1796	41.09	-24.949	42.818	0.1798478	0.093550	-0.0002
72 630 83630	0.1761	38.45	-25.788	39.301	0.1712808	-0.008942	0.0048
72 630 837 0		37.22	-26.177	37.520	0.1198496	-0.128067	
72 630 83730	0.0497	36.05	-26.544	35.726	0.0590197	-0.128261	-0.0093
72 630 838 0		34.95	-26.889	33.918	0.0680537	-0.085337	
72 630 83830	-0.0002	33.91	-27.212	32.098	-0.0154260	-0.014138	0.0152
72 630 83930	0.0293	32.03	-27.787	28.420	0.0517297	0.168552	-0.0224
72 630 840 0		31.18	-28.038	26.565	0.1547666	0.280043	
72 630 84030	0.3286	30.40	-28.265	24.700	0.3073560	0.372336	0.0212
72 630 841 0		29.69	-28.466	22.826	0.4905918	0.412804	
72 630 84130	0.6831	29.05	-28.642	20.944	0.6831270	0.418210	0.0000

72 630 84230	1.0217	27.98	-28.916	17.159	1.0545672	0.374132	-0.0329
72 630 843 0		27.55	-29.014	15.258	1.2165780	0.324649	
72 630 84330	1.3928	27.19	-29.084	13.353	1.3449550	0.214212	0.0478
72 630 844 0		26.89	-29.128	11.446	1.3984274	0.000162	
72 630 84430	1.3199	26.67	-29.146	9.537	1.3462995	-0.206124	-0.0264
72 630 84530	1.0799	26.45	-29.099	5.719	1.0938367	-0.261386	-0.0139
72 630 846 0		26.44	-29.035	3.811	1.0035081	-0.110162	
72 630 84630	1.0227	26.50	-28.945	1.907	0.9843483	-0.009524	0.0384
72 630 847 0		26.64	-28.828	0.007	0.9608489	-0.128995	
72 630 84730	0.8184	26.85	-28.685	-1.888	0.8525471	-0.330940	-0.0341
72 630 84830	0.4370	27.47	-28.320	-5.653	0.4199280	-0.569337	0.0171
72 630 849 0		27.89	-28.099	-7.533	0.1465390	-0.605790	
72 630 84930	-0.1446	28.38	-27.853	-9.398	-0.1388279	-0.638298	-0.0058
72 630 850 0		28.94	-27.582	-11.252	-0.4501159	-0.718081	
72 630 85030	-0.7939	29.57	-27.287	-13.096	-0.7983493	-0.774948	0.0044
72 630 85130	-1.4732	31.03	-26.627	-16.749	-1.4661191	-0.609371	-0.0071
72 630 852 0		31.06	-26.263	-18.556	-1.6996868	-0.386927	
72 630 85230	-1.8218	32.76	-25.877	-20.350	-1.8287184	-0.199693	0.0069
72 630 853 0		33.72	-25.469	-22.131	-1.9885020	-0.173584	
72 630 85330	-1.9991	34.75	-25.041	-23.897	-1.9992765	-0.214859	0.0002
72 630 85430	-2.2160	37.00	-24.125	-27.384	-2.2048032	-0.211141	-0.0112
72 630 855 0		38.21	-23.638	-29.106	-2.2930033	-0.166148	
72 630 85530	-2.3169	39.49	-23.134	-30.811	-2.3312423	0.054133	0.0143
72 630 856 0		40.83	-22.612	-32.502	-2.1934929	0.596234	
72 630 85630	-1.7783	42.22	-22.074	-34.177	-1.7781282	1.155119	-0.0002
72 630 85730	-0.5294	45.18	-20.950	-37.480	-0.5059940	1.408139	-0.0234
72 630 858 0		46.74	-20.365	-39.109	0.0846001	1.102273	
72 630 85830	0.5266	48.36	-19.767	-40.722	0.4932199	0.675662	0.0334
72 630 859 0		50.03	-19.156	-42.320	0.7156762	0.295812	
72 630 85930	0.7667	51.75	-18.533	-43.903	0.7817436	0.615917	-0.0150
72 630 9 030	0.6848	55.33	-17.251	-47.026	0.7029734	-0.084435	-0.0182
72 630 9 1 0		57.19	-16.594	-48.567	0.6995451	0.095109	
72 630 9 130	0.8244	59.09	-15.928	-50.093	0.7877169	0.254664	0.0367
72 630 9 2 0		61.04	-15.252	-51.607	0.9049714	0.221095	
72 630 9 230	0.9505	63.03	-14.568	-53.107	0.9778371	0.096356	-0.0273
72 630 9 330	0.9679	67.12	-13.176	-56.069	0.9632437	-0.120777	0.0047
72 630 9 4 0		69.22	-12.470	-57.533	0.8857402	-0.213171	
72 630 9 430	0.7803	71.36	-11.758	-58.985	0.7709656	-0.275962	0.0093
72 630 9 5 0		73.53	-11.040	-60.427	0.6383795	-0.290331	
72 630 9 530	0.5018	75.73	-10.317	-61.857	0.5094711	-0.261907	-0.0077
72 630 9 630	0.3330	80.22	-8.859	-64.689	0.3339148	-0.093574	-0.0009
72 630 9 7 0		82.50	-8.124	-66.091	0.3215803	0.046335	
72 630 9 730	0.3743	84.80	-7.387	-67.484	0.3680648	0.130142	0.0062
72 630 9 8 0		87.13	-6.647	-68.870	0.4187626	0.064586	
72 630 9 830	0.4152	89.48	-5.905	-70.247	0.4207035	-0.046442	-0.0055
72 630 9 930	0.3403	94.23	-4.418	-72.982	0.3382320	-0.393245	0.0021
72 630 910 0		96.63	-3.673	-74.339	0.3077608	-0.029020	
72 630 91030	0.3100	99.05	-2.929	-75.691	0.3096696	0.023725	0.0003
72 630 911 0		101.47	-2.184	-77.037	0.3171441	-0.004909	
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72 630 913 0		111.25	0.781	-82.378	0.1400164	-0.139278	
72 630 91330	0.0753	113.71	1.518	-83.705	0.0763649	-0.136121	-0.0011
72 630 914 0		116.16	2.251	-85.029	0.0146414	-0.130926	
72 630 91430	-0.0435	118.62	2.982	-86.350	-0.0440024	-0.122321	0.0005
72 630 91530	-0.1435	123.52	4.432	-88.989	-0.1438512	-0.090762	0.0004
72 630 916 0		125.97	5.151	-90.307	-0.1806395	-0.067808	
72 630 91630	-0.2076	128.41	5.865	-91.624	-0.2066327	-0.045961	-0.0010
72 630 917 0		130.83	6.575	-92.942	-0.2241559	-0.031116	
72 630 91730	-0.2353	133.25	7.279	-94.259	-0.2365602	-0.024044	0.0013
72 630 91830	-0.2629	138.05	8.671	-96.897	-0.2614418	-0.035548	-0.0015
72 630 919 0		140.43	9.357	-98.218	-0.2818127	-0.054123	
72 630 91930	-0.3090	142.79	10.037	-99.541	-0.3104799	-0.066607	0.0015
72 630 920 0		145.13	10.710	-100.866	-0.3401250	-0.058360	
72 630 92030	-0.3640	147.45	11.376	-102.193	-0.3628879	-0.040501	-0.0011
72 630 92130	-0.3849	152.03	12.684	-104.857	-0.3854185	-0.009306	0.0005

72 630 922 0 154.29 13.327 -106.195 -0.3065782 0.004030
72 630 92230 -0.3016 156.51 13.960 -107.536 -0.3814853 0.018743 -0.0001
72 630 92330 -0.3460 160.89 15.201 -110.231 -0.3460042 0.060950 0.0000

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4.844327, 6.010771

IGCOORD = 1,
TSTATE = 1550.177, 99.02191, -852.4750, 2.6378870E-02,
-1.698052, -0.1056556

LOWEP = 999.0000
DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
CM = 4902.780
ERAD = 383634.3
ELAT = -3.849106, 2*0.0000000E+00,
ELON = -5.620728, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DITFIT = 0.2200000
CONFAC = 1.083000

#END

EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 63014 240	0.4011	166.27	12.317	107.901	0.4010999	0.135218	0.0000
72 63014 340	0.5078	162.31	11.025	105.282	0.5078029	0.088165	0.0000
72 63014 410		160.28	10.368	103.977	0.5395076	0.047229	
72 63014 440	0.5512	158.22	9.705	102.675	0.5511869	0.004807	0.0000
72 63014 540	0.5257	154.03	8.360	100.078	0.5257285	-0.054208	0.0000
72 63014 610		151.90	7.679	98.781	0.4965376	-0.070796	
72 63014 640	0.4590	149.74	6.993	97.486	0.4589528	-0.096525	0.0000
72 63014 710		147.56	6.301	96.192	0.4032650	-0.149171	
72 63014 740	0.3197	145.36	5.605	94.899	0.3197806	-0.211162	-0.0001
72 63014 840	0.0765	140.91	4.199	92.311	0.0763838	-0.310572	0.0001
72 63014 910		138.65	3.490	91.016	-0.0759719	-0.347987	
72 63014 940	-0.2397	136.38	2.778	89.720	-0.2397738	-0.351888	0.0001
72 630141010		134.10	2.062	88.423	-0.3918353	-0.296955	
72 630141040	-0.5104	131.80	1.344	87.123	-0.5095367	-0.213173	-0.0009
72 630141140	-0.6282	127.18	-0.100	84.517	-0.6301876	-0.048891	0.0020
72 630141210		124.85	-0.824	83.209	-0.6341355	0.031607	
72 630141240	-0.6064	122.52	-1.550	81.897	-0.6047844	0.087568	-0.0016
72 630141310		120.19	-2.277	80.581	-0.5606537	0.095590	
72 630141340	-0.5220	117.85	-3.005	79.260	-0.5195957	0.083623	-0.0024
72 630141440	-0.4363	113.17	-4.460	76.603	-0.4448441	0.083605	0.0085
72 630141510		110.83	-5.187	75.266	-0.4037881	0.095557	
72 630141540	-0.3652	108.50	-5.914	73.922	-0.3545481	0.120917	-0.0107
72 630141610		106.17	-6.638	72.572	-0.2892327	0.165137	
72 630141640	-0.1982	103.85	-7.361	71.214	-0.2022938	0.207906	0.0041
72 630141740	0.0129	99.23	-8.000	68.474	0.0057610	0.228250	0.0071
72 630141810		96.94	-9.515	67.091	0.1068089	0.205813	
72 630141840	0.1801	94.66	-10.226	65.699	0.1928784	0.164371	-0.0128
72 630141910		92.39	-10.933	64.297	0.2560699	0.106626	
72 630141940	0.2972	90.15	-11.635	62.885	0.2898529	0.039235	0.0073
72 630142040	0.2642	85.71	-13.024	60.029	0.2695838	-0.104652	0.0036
72 630142110		83.52	-13.709	58.585	0.1947178	-0.181150	
72 630142140	0.0890	81.36	-14.387	57.128	0.0984493	-0.224332	-0.0094
72 630142210		79.22	-15.058	55.659	-0.0017057	-0.197877	
72 630142240	-0.0733	77.11	-15.722	54.177	-0.0765759	-0.134445	0.0053
72 630142340	-0.1357	72.98	-17.022	51.175	-0.1394818	0.005406	0.0038
72 630142410		70.96	-17.658	49.653	-0.1195083	0.081829	
72 630142440	-0.0832	68.97	-18.283	48.117	-0.0746484	0.088595	-0.0086
72 630142510		67.02	-18.898	46.567	-0.0598154	-0.048291	

72 630142540	-0.1184	65.10	-19.501	45.002	-0.1232874	-0.211574	0.0049
72 630142640	-0.3687	61.38	-20.670	41.827	-0.3716288	-0.265803	0.0029
72 630142710		59.59	-21.234	40.217	-0.4726667	-0.156704	
72 630142740	-0.5211	57.83	-21.784	38.592	-0.5137778	-0.031001	-0.0073
72 630142810		56.12	-22.319	36.951	-0.5101375	0.037175	
72 630142840	-0.4808	54.46	-22.839	35.295	-0.4860024	0.062807	0.0052
72 630142940	-0.4340	51.27	-23.828	31.936	-0.4339716	0.031551	0.0000
72 630143010		49.75	-24.297	30.233	-0.4314812	-0.025351	
72 630143040	-0.4465	48.28	-24.748	28.515	-0.4445519	0.001079	-0.0019
72 630143110		46.87	-25.179	26.782	-0.4005858	0.221732	
72 630143140	-0.2360	45.50	-25.591	25.034	-0.2330394	0.486538	-0.0030
72 630143240	0.3583	42.94	-26.354	21.496	0.3467779	0.698810	0.0115
72 630143310		41.75	-26.703	19.707	0.6613761	0.646225	
72 630143340	0.9202	40.61	-27.031	17.904	0.9356492	0.542733	-0.0154
72 630143410		39.53	-27.335	16.089	1.1631134	0.443183	
72 630143440	1.3545	38.51	-27.617	14.263	1.3445826	0.341737	0.0099
72 630143540	1.5585	36.66	-28.109	10.577	1.5580342	0.115393	0.0005
72 630143610		35.82	-28.318	8.720	1.5827801	-0.009509	
72 630143640	1.5515	35.05	-28.502	6.854	1.5571661	-0.083055	-0.0057
72 630143710		34.34	-28.661	4.980	1.5230911	-0.046121	
72 630143740	1.5169	33.70	-28.795	3.100	1.5163554	0.002384	0.0005
72 630143840	1.4790	32.61	-28.984	-0.677	1.4692588	-0.162627	0.0097
72 630143910		32.16	-29.038	-2.570	1.3482258	-0.376185	
72 630143940	1.1102	31.79	-29.067	-4.467	1.1253312	-0.567585	-0.0151
72 630144010		31.47	-29.069	-6.365	0.8443768	-0.627423	
72 630144040	0.5646	31.23	-29.044	-8.262	0.5536919	-0.637242	0.0109
72 630144140	-0.0797	30.94	-28.916	-12.054	-0.0778116	-0.751656	-0.0019
72 630144210		30.89	-28.812	-13.946	-0.4478142	-0.856266	
72 630144240	-0.8627	30.92	-28.681	-15.833	-0.8581914	-0.894233	-0.0045
72 630144310		31.01	-28.525	-17.716	-1.2481372	-0.767321	
72 630144340	-1.5512	31.17	-28.343	-19.592	-1.5582080	-0.585100	0.0070
72 630144440	-1.9968	31.69	-27.904	-23.321	-1.9885772	-0.383214	-0.0082
72 630144510		32.05	-27.647	-25.172	-2.1589015	-0.363575	
72 630144540	-2.3112	32.48	-27.366	-27.014	-2.3195291	-0.313001	0.0083
72 630144610		32.97	-27.061	-28.845	-2.4300339	-0.146290	
72 630144640	-2.4458	33.54	-26.732	-30.665	-2.4397607	-0.117005	-0.0060
72 630144740	-2.0033	34.85	-26.008	-34.267	-2.0054617	0.875125	0.0022
72 630144810		35.60	-25.614	-36.049	-1.4901056	1.369987	
72 630144840	-0.7767	36.42	-25.198	-37.817	-0.7816417	1.597526	0.0049
72 630144910		37.30	-24.762	-39.572	-0.1091602	1.213331	
72 630144940	0.2811	38.24	-24.306	-41.312	0.3033962	0.599434	-0.0223
72 630145040	0.5005	40.31	-23.339	-44.748	0.4538762	-0.172057	0.0466
72 630145110		41.42	-22.828	-46.444	0.3322088	-0.329576	
72 630145140	0.1182	42.61	-22.300	-48.124	0.1761533	-0.314319	-0.0580
72 630145210		43.84	-21.756	-49.790	0.0717501	-0.105665	
72 630145240	0.1265	45.14	-21.196	-51.441	0.0832911	-0.133689	0.0432
72 630145340	0.2708	47.89	-20.032	-54.697	0.2856948	0.216787	-0.0149
72 630145410		49.34	-19.429	-56.303	0.3547796	0.060465	
72 630145440	0.3413	50.85	-18.814	-57.894	0.3469840	-0.060475	-0.0057
72 630145510		52.40	-18.186	-59.471	0.3301206	0.021213	
72 630145540	0.3932	54.01	-17.547	-61.034	0.3776634	0.175053	0.0155
72 630145640	0.5963	57.35	-16.236	-64.118	0.6185663	0.307874	-0.0223
72 630145710		59.09	-15.566	-65.641	0.7581078	0.286826	
72 630145740	0.8983	60.88	-14.887	-67.150	0.8751242	0.211910	0.0232
72 630145810		62.70	-14.199	-68.647	0.9461548	0.087513	
72 630145840	0.9463	64.57	-13.504	-70.131	0.9576204	-0.025965	-0.0113
72 630145940	0.8978	68.42	-12.093	-73.066	0.9056052	-0.039198	-0.0078
72 63015 010		70.40	-11.378	-74.517	0.9079148	0.061081	
72 63015 040	0.9711	72.41	-10.658	-75.957	0.9525468	0.099952	0.0186
72 63015 110		74.45	-9.932	-77.387	0.9703346	-0.055257	
72 63015 140	0.8791	76.53	-9.203	-78.808	0.8927492	-0.267595	-0.0136
72 63015 240	0.5368	80.76	-7.733	-81.623	0.5354813	-0.453079	0.0013
72 63015 310		82.92	-6.993	-83.018	0.3294173	-0.426186	
72 63015 340	0.1525	85.10	-6.252	-84.405	0.1463932	-0.370446	0.0061
72 63015 410		87.30	-5.508	-85.785	-0.0160260	-0.336744	
72 63015 440	-0.1701	89.52	-4.763	-87.158	-0.1655850	-0.309798	-0.0045

72 63015 540 -0.4187 94.03 -3.271 -89.886 -0.4175360 -0.230222 -0.0012
 72 63015 610 96.30 -2.525 -91.242 -0.5120158 -0.177588
 72 63015 640 -0.5782 98.59 -1.780 -92.592 -0.5828573 -0.132658 0.0047
 72 63015 710 100.89 -1.035 -93.939 -0.6394203 -0.115658
 72 63015 740 -0.6957 103.20 -0.291 -95.281 -0.6915543 -0.109977 -0.0041
 72 63015 840 -0.7845 107.85 1.190 -97.955 -0.7863836 -0.094516 0.0019
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 ROTR = 8.9400001E-03,
 DIFIT = 0.2000000
 CONFAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 630135431	-0.3601	178.62	17.263	107.187	-0.3601006	0.315892	0.0000
72 630135531	-0.0836	175.79	16.103	104.487	-0.0835846	0.277748	0.0000
72 6301356 1		174.32	15.510	103.146	0.0377857	0.246769	
72 630135631	0.1434	172.82	14.907	101.811	0.1433310	0.209688	0.0001
72 630135731	0.2980	169.70	13.676	99.157	0.2981374	0.122790	-0.0001
72 6301358 1		168.09	13.049	97.837	0.3434857	0.072975	
72 630135831	0.3660	166.44	12.413	96.521	0.3660617	0.026706	-0.0001
72 6301359 1		164.77	11.771	95.210	0.3698980	-0.008192	
72 630135931	0.3605	163.06	11.121	93.903	0.3595369	-0.036322	0.0010
72 63014 031	0.3001	159.56	9.802	91.298	0.3023880	-0.086003	-0.0023
72 63014 1 1		157.77	9.132	90.000	0.2576284	-0.107555	
72 63014 131	0.2069	155.95	8.457	88.704	0.2042497	-0.121530	0.0027
72 63014 2 1		154.10	7.777	87.410	0.1747096	-0.122531	
72 63014 231	0.0917	152.23	7.091	86.118	0.0926343	-0.113565	-0.0009
72 63014 331	0.0016	149.42	5.705	83.538	0.0035526	-0.074744	-0.0020
72 63014 4 1		146.49	5.006	82.248	-0.0243285	-0.044892	
72 63014 431	-0.0338	144.53	4.302	80.959	-0.0374085	-0.011870	0.0036
72 63014 5 1		142.56	3.595	79.670	-0.0353910	0.020505	
72 63014 531	-0.0220	140.57	2.885	78.380	-0.0190163	0.049348	-0.0030
72 63014 631	0.0475	136.54	1.455	75.795	0.0462417	0.087708	0.0013
72 63014 7 1		134.50	0.737	74.500	0.0891747	0.097228	
72 63014 731	0.1362	132.45	0.017	73.203	0.1356835	0.104571	0.0005
72 63014 8 1		130.40	-0.705	71.903	0.1860510	0.113294	
72 63014 831	0.2370	128.33	-1.428	70.600	0.2400290	0.117485	-0.0030
72 63014 931	0.3429	124.17	-2.876	67.981	0.3367652	0.082617	0.0062
72 6301410 1		122.08	-3.601	66.666	0.3665275	0.044265	
72 630141031	0.3687	119.99	-4.325	65.345	0.3754117	-0.008141	-0.0067
72 6301411 1		117.90	-5.049	64.018	0.3568418	-0.074670	
72 630141131	0.3073	115.81	-5.771	62.686	0.3060522	-0.143844	0.0012
72 630141231	0.1265	111.62	-7.212	60.002	0.1189301	-0.255544	0.0076
72 6301413 1		109.53	-7.929	58.649	-0.0091931	-0.298077	
72 630141331	-0.1640	107.45	-8.643	57.288	-0.1524460	-0.315545	-0.0116
72 6301414 1		105.37	-9.354	55.920	-0.2942069	-0.291765	
72 630141431	-0.4127	103.30	-10.061	54.542	-0.4183644	-0.245353	0.0057

72 630141531	-0.5924	99.20	-11.463	51.759	-0.5977566	-0.140545	0.0054
72 6301416 1		97.16	-12.157	50.353	-0.6493108	-0.082150	
72 630141631	-0.6915	95.14	-12.845	48.937	-0.6795543	-0.062403	-0.0119
72 6301417 1		93.13	-13.527	47.509	-0.7194418	-0.123958	
72 630141731	-0.7882	91.14	-14.202	46.071	-0.7986903	-0.215868	0.0105
72 630141831	-1.0660	87.21	-15.530	43.158	-1.0606605	-0.337814	-0.0053
72 6301419 1		85.28	-16.182	41.683	-1.2243313	-0.367859	
72 630141931	-1.3812	83.38	-16.826	40.196	-1.3823901	-0.281351	0.0012
72 6301420 1		81.49	-17.460	38.695	-1.4514462	0.017563	
72 630142031	-1.3577	79.63	-18.084	37.181	-1.3596894	0.358430	0.0020
72 630142131	-0.8579	76.00	-19.299	34.111	-0.8526329	0.634080	-0.0053
72 6301422 1		74.22	-19.889	32.554	-0.5561678	0.608925	
72 630142231	-0.2978	72.49	-20.467	30.984	-0.3051400	0.467877	0.0073
72 6301423 1		70.78	-21.032	29.398	-0.1336376	0.263784	
72 630142331	-0.0632	69.10	-21.583	27.798	-0.0557236	0.097799	-0.0075
72 630142431	0.0383	65.86	-22.642	24.552	0.0314831	0.184005	0.0068
72 6301425 1		64.30	-23.148	22.906	0.1692572	0.436128	
72 630142531	0.4180	62.78	-23.638	21.246	0.4245159	0.625278	-0.0065
72 6301426 1		61.29	-24.111	19.570	0.7057687	0.549040	
72 630142631	0.9224	59.85	-24.566	17.879	0.9154015	0.368420	0.0070
72 630142731	1.1420	57.10	-25.421	14.454	1.1498432	0.177138	-0.0078
72 6301428 1		55.79	-25.822	12.720	2.2269686	0.166448	
72 630142831	1.3125	54.53	-26.333	10.972	1.3052561	0.166942	0.0072
72 6301429 1		53.31	-26.837	9.211	1.3758475	0.133190	
72 630142931	1.4223	52.15	-26.893	7.437	1.4253163	0.080474	-0.0030
72 630143031	1.4436	49.96	-27.501	3.851	1.4470133	-0.035916	-0.0034
72 6301431 1		48.94	-27.771	2.041	1.4158781	-0.099588	
72 630143131	1.3624	47.98	-28.017	0.220	1.3554248	-0.160843	0.0070
72 6301432 1		47.07	-28.240	-1.611	1.2686790	-0.213566	
72 630143231	1.1532	46.22	-28.439	-3.450	1.1583565	-0.265419	-0.0052
72 630143331	0.8589	44.67	-28.762	-7.153	0.8581300	-0.389375	0.0008
72 6301434 1		43.98	-28.886	-9.015	0.6620035	-0.461474	
72 630143431	0.4345	43.35	-28.984	-10.882	0.4328043	-0.528459	0.0017
72 6301435 1		42.77	-29.057	-12.753	0.1766702	-0.578415	
72 630143531	-0.0968	42.26	-29.104	-14.627	-0.0963226	-0.596131	-0.0005
72 630143631	-0.6145	41.39	-29.120	-18.382	-0.6119759	-0.489123	-0.0025
72 6301437 1		41.05	-29.089	-20.260	-0.8108103	-0.364422	
72 630143731	-0.9454	40.77	-29.032	-22.137	-0.9502732	-0.251510	0.0049
72 6301438 1		40.54	-28.949	-24.012	-1.0539949	-0.209714	
72 630143831	-1.1544	40.38	-28.840	-25.884	-1.1478924	-0.193772	-0.0065
72 630143931	-1.2831	40.23	-28.545	-29.615	-1.2912294	-0.103785	0.0081
72 6301440 1		40.24	-28.360	-31.472	-1.3227956	-0.029750	
72 630144031	-1.3141	40.32	-28.150	-33.322	-1.3042868	0.137887	-0.0098
72 6301441 1		40.45	-27.915	-35.164	-1.1696875	0.473222	
72 630144131	-0.0630	40.65	-27.656	-36.997	-0.8753403	0.756342	0.0123
72 630144231	-0.2245	41.22	-27.067	-40.635	-0.2089092	0.505623	-0.0156
72 6301443 1		41.58	-26.738	-42.438	-0.0882153	-0.028083	
72 630144331	-0.1986	42.02	-26.387	-44.228	-0.2152740	-0.434370	0.0167
72 6301444 1		42.50	-26.013	-46.008	-0.4081374	-0.313362	
72 630144431	-0.4864	43.06	-25.619	-47.774	-0.4732881	0.011093	-0.0131
72 630144531	-0.2863	44.32	-24.768	-51.267	-0.2931971	0.298721	0.0069
72 6301446 1		45.04	-24.313	-52.994	-0.1591563	0.361954	
72 630144631	-0.0578	45.82	-23.839	-54.706	-0.0572070	0.186965	-0.0006
72 6301447 1		46.64	-23.347	-56.404	0.0202504	0.155947	
72 630144731	0.0823	47.53	-22.838	-58.087	0.0905669	0.149491	-0.0083
72 630144831	0.2478	49.45	-21.769	-61.412	0.2282232	0.152126	0.0196
72 6301449 1		50.49	-21.210	-63.052	0.3003467	0.161214	
72 630144931	0.3494	51.59	-20.637	-64.678	0.3746726	0.154643	-0.0253
72 6301450 1		52.72	-20.049	-66.290	0.4375241	0.111582	
72 630145031	0.4968	53.92	-19.448	-67.887	0.4767697	0.063091	0.0201
72 630145131	0.5044	56.44	-18.208	-71.040	0.5138236	0.034063	-0.0094
72 6301452 1		57.77	-17.569	-72.596	0.5335898	0.055515	
72 630145231	0.5677	59.15	-16.920	-74.138	0.5655863	0.080217	0.0021
72 6301453 1		60.57	-16.261	-75.668	0.6050177	0.087782	
72 630145331	0.6321	62.04	-15.592	-77.185	0.6321945	0.001564	-0.0001
72 630145431	0.3706	65.08	-14.226	-80.182	0.3705965	-0.681715	0.0000

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STATE = 35, 1858.000, 4.1887399E-02, 2.632346, 4.208157

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TRANSA = 0.0000000E+00,

TRANSB = 0.0000000E+00,

GM = 4902.780

ERAD = 380196.0

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ELON = -5.503326, 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DIFIT = 0.2000000

CONCAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/g**2	Hz
72 7 1134431	-0.8194	191.59	23.628	113.040	-0.8193917	0.399967	0.0000
72 7 1134531	-0.4809	189.96	22.758	110.151	-0.4811261	0.340483	0.0002
72 7 11346 1		189.08	22.302	108.719	-0.3272302	0.328216	
72 7 1134631	-0.1786	188.15	21.834	107.295	-0.1775788	0.319106	-0.0010
72 7 1134731	0.1051	186.16	20.861	104.470	0.1029172	0.284895	0.0022
72 7 11348 1		185.10	20.356	103.070	0.2288440	0.259798	
72 7 1134831	0.3396	184.00	19.846	101.877	0.3423283	0.231620	-0.0027
72 7 11349 1		182.85	19.312	100.292	0.4425897	0.202630	
72 7 1134931	0.5311	181.67	18.773	98.914	0.5290639	0.171284	0.0020
72 7 1135031	0.6534	179.18	17.664	96.179	0.6541052	0.096971	-0.0007
72 7 11351 1		177.87	17.095	94.821	0.6891010	0.054004	
72 7 1135131	0.7044	176.53	16.515	93.471	0.7045595	0.014887	-0.0002
72 7 11352 1		175.15	15.927	92.126	0.7046357	-0.012625	
72 7 1135231	0.6941	173.73	15.329	90.787	0.6938608	-0.033895	0.0002
72 7 1135331	0.6439	170.79	14.107	88.127	0.6438986	-0.073720	0.0000
72 7 11354 1		169.27	13.483	86.804	0.6055499	-0.092276	
72 7 1135431	0.5595	167.72	12.852	85.486	0.5596387	-0.104689	-0.0001
72 7 11355 1		166.13	12.213	84.173	0.5106372	-0.105714	
72 7 1135531	0.4631	164.51	11.567	82.864	0.4630388	-0.100162	0.0001
72 7 1135631	0.3777	161.18	10.255	80.257	0.3775825	-0.083758	0.0001
72 7 11357 1		159.47	9.589	78.958	0.3413545	-0.072907	
72 7 1135731	0.3110	157.73	8.917	77.662	0.3111648	-0.056204	-0.0002
72 7 11358 1		155.97	8.239	76.368	0.2909835	-0.029578	
72 7 1135831	0.2839	154.18	7.556	75.077	0.2839822	-0.002131	-0.0001
72 7 1135931	0.2989	150.53	6.175	72.498	0.2984159	0.027863	0.0005
72 7 114 0 1		148.67	5.478	71.210	0.3121861	0.030414	
72 7 114 031	0.3241	146.79	4.777	69.923	0.3246054	0.020661	-0.0005
72 7 114 1 1		144.89	4.072	68.636	0.3287561	-0.005396	
72 7 114 131	0.3179	142.98	3.363	67.348	0.3182603	-0.040293	-0.0004
72 7 114 231	0.2491	139.09	1.937	64.770	0.2473694	-0.114164	0.0017
72 7 114 3 1		137.13	1.220	63.479	0.1857259	-0.153135	
72 7 114 331	0.1039	135.15	0.500	62.185	0.1062156	-0.190493	-0.0023
72 7 114 4 1		133.15	-0.221	60.890	0.0105445	-0.232327	
72 7 114 431	-0.0969	131.15	-0.943	59.591	-0.09801757	-0.244679	0.0013
72 7 114 531	-0.3239	127.12	-2.391	56.983	-0.3244971	-0.233527	0.0006
72 7 114 6 1		125.09	-3.115	55.674	-0.4254705	-0.200942	
72 7 114 631	-0.5091	123.05	-3.839	54.359	-0.5079105	-0.154544	-0.0012
72 7 114 7 1		121.02	-4.564	53.039	-0.5666985	-0.098557	
72 7 114 731	-0.6012	118.98	-5.287	51.714	-0.6001815	-0.050832	-0.0010
72 7 114 831	-0.6265	114.89	-6.729	49.045	-0.6312199	-0.033826	0.0047
72 7 114 9 1		112.85	-7.447	47.701	-0.6529171	-0.064534	

72 7 114 931	-0.7020	110.81	-8.163	46.349	-0.6961601	-0.129998	-0.0058
72 7 11410 1		108.77	-8.876	44.989	-0.7796130	-0.238787	
72 7 1141031	-0.9140	106.75	-9.586	43.621	-0.9153004	-0.338771	0.0013
72 7 1141131	-1.2484	102.71	-10.993	40.859	-1.2547112	-0.355731	0.0063
72 7 11412 1		100.71	-11.690	39.463	-1.4021149	-0.272736	
72 7 1141231	-1.5014	98.71	-12.381	38.058	-1.4917933	-0.093942	-0.0096
72 7 11413 1		96.73	-13.067	36.642	-1.4687964	0.215327	
72 7 1141331	-1.2867	94.77	-13.747	35.215	-1.2906717	0.539352	0.0040
72 7 1141431	-0.5962	90.89	-15.085	32.327	-0.6024731	0.883852	0.0063
72 7 11415 1		88.97	-15.743	30.865	-0.1858381	0.904377	
72 7 1141531	0.1980	87.08	-16.392	29.391	0.2085484	0.768679	-0.0105
72 7 11416 1		85.21	-17.032	27.904	0.4914463	0.421784	
72 7 1141631	0.5997	83.36	-17.663	26.403	0.5973855	0.071044	0.0023
72 7 1141731	0.5711	79.74	-18.893	23.362	0.5585965	-0.019272	0.0125
72 7 11418 1		77.56	-19.492	21.820	0.6019524	0.241052	
72 7 1141831	0.7572	76.22	-20.078	20.264	0.7776358	0.478233	-0.0204
72 7 11419 1		74.51	-20.652	18.694	1.0050429	0.465353	
72 7 1141931	1.2048	72.83	-21.213	17.109	1.1897470	0.338304	0.0151
72 7 1142031	1.4051	69.56	-22.293	13.894	1.4082023	0.149336	-0.0031
72 7 11421 1		67.98	-22.810	12.264	1.4620105	0.087405	
72 7 1142131	1.4858	66.44	-23.312	10.619	1.4911157	0.039841	-0.0053
72 7 11422 1		64.93	-23.797	8.959	1.4998895	-0.000651	
72 7 1142231	1.4987	63.47	-24.265	7.284	1.4903148	-0.042420	0.0024
72 7 1142331	1.3926	60.65	-25.148	3.890	1.4022489	-0.154726	-0.0096
72 7 11424 1		59.31	-25.561	2.171	1.3149127	-0.225259	
72 7 1142431	1.2091	58.01	-25.955	0.438	1.1992028	-0.263601	0.0099
72 7 11425 1		56.76	-26.329	-1.308	1.0829008	-0.227552	
72 7 1142531	0.9825	55.55	-26.682	-3.068	0.9905851	-0.180217	-0.0081
72 7 1142631	0.8197	53.27	-27.323	-6.627	0.8145740	-0.234239	0.0051
72 7 11427 1		52.21	-27.611	-8.424	0.6848788	-0.335071	
72 7 1142731	0.5000	51.19	-27.875	-10.232	0.5037115	-0.441804	-0.0037
72 7 11428 1		50.23	-28.116	-12.051	0.2833553	-0.505954	
72 7 1142831	0.0484	49.31	-28.334	-13.880	0.0430006	-0.528059	0.0054
72 7 1142931	-0.4279	47.64	-28.696	-17.562	-0.4192665	-0.444912	-0.0086
72 7 11430 1		46.89	-28.840	-19.415	-0.6019928	-0.339682	
72 7 1143031	-0.7228	46.19	-28.959	-21.274	-0.7324484	-0.231474	0.0096
72 7 11431 1		45.54	-29.052	-23.138	-0.8213602	-0.159827	
72 7 1143131	-0.8900	44.95	-29.120	-25.006	-0.8842081	-0.115380	-0.0058
72 7 1143231	-0.9697	43.94	-29.178	-28.750	-0.9689847	-0.080174	-0.0007
72 7 11433 1		43.51	-29.168	-30.625	-1.0074382	-0.089408	
72 7 1143331	-1.0401	43.15	-29.132	-32.499	-1.0439512	-0.049326	0.0039
72 7 11434 1		42.84	-29.070	-34.373	-1.0350670	0.107229	
72 7 1143431	-0.9483	42.59	-28.982	-36.244	-0.9480821	0.243281	-0.0002
72 7 1143531	-0.7744	42.27	-28.729	-39.975	-0.7675563	0.042711	-0.0068
72 7 11436 1		42.19	-28.565	-41.834	-0.8194597	-0.293834	
72 7 1143631	-1.0051	42.18	-28.375	-43.687	-1.0155927	-0.478949	0.0105
72 7 11437 1		42.22	-28.161	-45.532	-1.1908475	-0.203624	
72 7 1143731	-1.1885	42.32	-27.922	-47.370	-1.1810911	0.217827	-0.0074
72 7 1143831	-0.7712	42.69	-27.372	-51.018	-0.7721620	0.555716	0.0010
72 7 11439 1		42.97	-27.062	-52.827	-0.5282258	0.472236	
72 7 1143931	-0.3412	43.39	-26.729	-54.625	-0.3443759	0.335163	0.0032
72 7 11440 1		43.69	-26.374	-56.412	-0.2095295	0.259250	
72 7 1144031	-0.1019	44.13	-25.997	-58.186	-0.0985546	0.225288	-0.0033
72 7 1144131	0.1042	45.19	-25.181	-61.697	0.1023522	0.225047	0.0018
72 7 11442 1		45.81	-24.712	-63.433	0.2131866	0.258918	
72 7 1144231	0.3394	46.47	-24.284	-65.155	0.3401622	0.284552	-0.0008
72 7 11443 1		47.20	-23.807	-66.863	0.4639109	0.271077	
72 7 1144331	0.5896	47.98	-23.313	-68.556	0.5892507	0.249757	0.0003
72 7 1144431	0.8253	49.69	-22.271	-71.901	0.8254567	0.277502	-0.0002
72 7 11445 1		50.63	-21.725	-73.552	0.9639767	0.326548	
72 7 1144531	1.1147	51.61	-21.164	-75.189	1.1146654	0.295567	0.0000
72 7 1144631	1.1613	53.74	-19.998	-78.419	1.1613013	-0.316880	0.0000

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 TRANSB = 0.0000000E+00,
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 ELON = -5.504730, 2*0.0000000E+00,
 ROIR = 8.9400001E-03,
 DTFIT = 0.2000000
 CONFAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 7 1134413	0.5825	186.30	20.501	91.618	0.5824960	0.030398	0.0000
72 7 1134513	0.5771	184.17	19.469	88.836	0.5772054	-0.038315	-0.0001
72 7 1134543		183.05	18.936	87.456	0.5532133	-0.064707	
72 7 1134613	0.5189	181.88	18.393	86.084	0.5184240	-0.084842	0.0005
72 7 1134713	0.4282	179.42	17.275	83.360	0.4292199	-0.103590	-0.0010
72 7 1134743		178.13	16.701	82.008	0.3814283	-0.102196	
72 7 1134813	0.3372	176.81	16.118	80.662	0.3358646	-0.094245	0.0013
72 7 1134843		175.44	15.526	79.322	0.2953233	-0.080346	
72 7 1134913	0.2611	174.04	14.924	77.988	0.2623360	-0.062143	-0.0012
72 7 1135013	0.2256	171.13	13.697	75.336	0.2246596	-0.017675	0.0009
72 7 1135043		169.63	13.071	74.018	0.2224588	0.008591	
72 7 1135113	0.2298	168.09	12.437	72.704	0.2304609	0.021031	-0.0007
72 7 1135143		166.51	11.796	71.395	0.2372106	0.003145	
72 7 1135213	0.2317	164.91	11.148	70.089	0.2313772	-0.027684	0.0003
72 7 1135313	0.1822	161.61	9.833	67.489	0.1821059	-0.076088	0.0001
72 7 1135343		159.01	9.165	66.193	0.1427416	-0.093659	
72 7 1135413	0.0969	158.19	8.493	64.900	0.0972478	-0.100699	-0.0003
72 7 1135443		156.44	7.814	63.608	0.0523192	-0.091112	
72 7 1135513	0.0143	154.67	7.131	62.319	0.0139788	-0.075922	0.0003
72 7 1135613	-0.0481	151.04	5.750	59.745	-0.0479296	-0.061782	-0.0002
72 7 1135643		149.20	5.053	58.458	-0.0764954	-0.062837	
72 7 1135713	-0.1067	147.33	4.352	57.173	-0.1067515	-0.069096	0.0001
72 7 1135743		145.44	3.647	55.887	-0.1410661	-0.080352	
72 7 1135813	-0.1803	143.54	2.940	54.600	-0.1803301	-0.087622	0.0000
72 7 1135913	-0.2541	139.67	1.516	52.023	-0.2539928	-0.063291	-0.0001
72 7 1135943		137.72	0.800	50.732	-0.2764193	-0.031676	
72 7 114 013	-0.2827	135.75	0.083	49.439	-0.2828162	0.002735	0.0001
72 7 114 043		133.76	-0.636	48.144	-0.2756164	0.029821	
72 7 114 113	-0.2570	131.77	-1.356	46.845	-0.2570271	0.045578	0.0000
72 7 114 213	-0.2171	127.76	-2.799	44.236	-0.2168698	0.031202	-0.0002
72 7 114 243		125.73	-3.520	42.925	-0.2088327	0.001055	
72 7 114 313	-0.2187	123.71	-4.242	41.610	-0.2184166	-0.045509	-0.0003
72 7 114 343		121.68	-4.962	40.289	-0.2535706	-0.109671	
72 7 114 413	-0.3156	119.65	-5.682	38.962	-0.3182715	-0.164730	0.0027
72 7 114 513	-0.4889	115.57	-7.116	36.289	-0.4827458	-0.167702	-0.0062
72 7 114 543		113.53	-7.830	34.942	-0.5495301	-0.115579	
72 7 114 613	-0.5731	111.50	-8.542	33.588	-0.5794784	0.001526	0.0064
72 7 114 643		109.47	-9.250	32.226	-0.5335667	0.213045	
72 7 114 713	-0.3840	107.45	-9.955	30.855	-0.3849476	0.410581	0.0009
72 7 114 813	0.0325	103.42	-11.351	28.086	0.0450318	0.439319	-0.0125
72 7 114 843		101.41	-12.042	26.687	0.2136071	0.270402	
72 7 114 913	0.3128	99.43	-12.728	25.279	0.2958941	0.108983	0.0169
72 7 114 943		97.45	-13.408	23.859	0.3353083	0.084570	
72 7 1141013	0.3749	95.49	-14.081	22.428	0.3840821	0.125807	-0.0092
72 7 1141113	0.5331	91.60	-15.405	19.532	0.5321095	0.190968	0.0010

72 7 1141343		82.24	-18.565	12.072	1.0720659	0.252749	
72 7 1141613	1.5153	73.52	-21.451	4.266	1.5109637	0.070148	0.0043
72 7 1141643		71.86	-21.988	2.661	1.5259100	-0.007713	
72 7 1141713	1.4949	70.24	-22.510	1.041	1.5036088	-0.087168	-0.0087
72 7 1141813	1.3696	67.10	-23.599	-2.243	1.3610604	-0.214584	0.0085
72 7 1141843		65.58	-23.984	-3.908	1.2504910	-0.262533	
72 7 1141913	1.1158	64.11	-24.441	-5.588	1.1216891	-0.290758	-0.0059
72 7 1141943		62.67	-24.881	-7.282	0.9864617	-0.290085	
72 7 1142013	0.8553	61.28	-25.302	-8.991	0.8544693	-0.285289	0.0008
72 7 1142113	0.5792	58.62	-26.086	-12.450	0.5732089	-0.337700	0.0060
72 7 1142143		57.35	-26.448	-14.201	0.4048436	-0.394927	
72 7 1142213	0.2040	56.14	-26.789	-15.964	0.2133807	-0.420809	-0.0094
72 7 1142243		54.96	-27.108	-17.741	0.0291142	-0.363341	
72 7 1142313	-0.1115	53.84	-27.406	-19.529	-0.1175623	-0.276209	0.0061
72 7 1142413	-0.3173	51.73	-27.933	-23.139	-0.3179462	-0.173802	0.0006
72 7 1142443		50.74	-28.162	-24.960	-0.3937623	-0.158550	
72 7 1142513	-0.4704	49.82	-28.366	-26.790	-0.4653665	-0.149928	-0.0050
72 7 1142543		48.94	-28.547	-28.629	-0.5305449	-0.130567	
72 7 1142613	-0.5784	48.12	-28.703	-30.474	-0.5839308	-0.098211	0.0055
72 7 1142713	-0.6327	46.64	-28.940	-34.186	-0.6282682	0.012366	-0.0044
72 7 1142743		45.97	-29.021	-36.049	-0.6050816	0.090602	
72 7 1142813	-0.5578	45.37	-29.075	-37.916	-0.5610240	0.062232	0.0032
72 7 1142843		44.81	-29.105	-39.786	-0.5828215	-0.194743	
72 7 1142913	-0.7417	44.32	-29.108	-41.657	-0.7402754	-0.448340	-0.0014
72 7 1143013	-1.1361	43.50	-29.037	-45.401	-1.1351782	-0.250249	-0.0009
72 7 1143043		43.17	-28.963	-47.272	-1.1554495	0.201667	
72 7 1143113	-0.9611	42.91	-28.862	-49.139	-0.9636766	0.558473	0.0026
72 7 1143143		42.69	-28.738	-51.004	-0.7051719	0.490204	
72 7 1143213	-0.5406	42.54	-28.587	-52.863	-0.5373331	0.250879	-0.0033
72 7 1143313	-0.4336	42.41	-28.209	-56.565	-0.4373081	0.021112	0.0037
72 7 1143343		42.43	-27.984	-58.406	-0.4285288	0.030751	
72 7 1143413	-0.4039	42.52	-27.734	-60.238	-0.3987780	0.106297	-0.0051
72 7 1143443		42.65	-27.460	-62.061	-0.3228402	0.230729	
72 7 1143513	-0.1782	42.85	-27.163	-63.874	-0.1875933	0.343195	0.0094
72 7 1143613	0.1395	43.42	-26.500	-67.469	0.1548777	0.350139	-0.0154
72 7 1143643		43.78	-26.135	-69.250	0.2949872	0.244547	
72 7 1143713	0.3998	44.21	-25.749	-71.018	0.3849658	0.166673	0.0148
72 7 1143743		44.68	-25.342	-72.774	0.4685947	0.216877	
72 7 1143813	0.5844	45.23	-24.915	-74.516	0.5831922	0.253972	0.0012
72 7 1143913	0.6594	46.47	-24.002	-77.960	0.6857280	-0.134765	-0.0263
72 7 1143943		47.17	-23.517	-79.663	0.5310785	-0.560747	
72 7 1144013	0.2319	47.93	-23.015	-81.350	0.1916919	-0.832908	0.0402
72 7 1144043		48.74	-22.495	-83.024	-0.1669401	-0.643306	
72 7 1144113	-0.4014	49.61	-21.959	-84.682	-0.3684610	-0.233391	-0.0329
72 7 1144213	-0.2125	51.49	-20.839	-87.958	-0.2279727	0.523701	0.0155
72 7 1144243		52.50	-20.257	-89.575	0.0948339	0.870857	
72 7 1144313	0.5201	53.57	-19.662	-91.177	0.5235704	0.876648	-0.0035
72 7 1144343		54.68	-19.052	-92.766	0.8023865	0.220546	
72 7 1144413	0.7244	55.85	-18.431	-94.340	0.7242450	-0.455654	0.0002
72 7 1144513	0.3481	58.31	-17.152	-97.450	0.3481058	0.055071	0.0000

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 JEPOCH = 72, 7, 1, 14, 8,
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 STATE = 1858.002, 4.0698599E-02, 2.638292, 3.788324,
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 TSTATE = 1746.053, 111.5352, -530.2942, -0.1549947,
 -1.522865, -0.6177341,
 LONEP = 999.0000
 DUTSEC = 0.0000000E+00,
 TRANSA = 0.0000000E+00,
 TRANSB = 0.0000000E+00,
 GM = 4902.780

ERAD = 380229.5
ELAT = -4.834600 , 2*0.000000E+00,
ELON = -5.505554 , 2*0.000000E+00,
ROTR = 8.940000E-03,
DTEIT = 0.2000000
CONEAC = 1.983000

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72 7 1133029 -0.0061 195.62 27.621 109.264 -0.0060985 0.185939 0.0000
72 7 1133129 0.1645 195.52 27.170 106.173 0.1644600 0.178716 0.0000
72 7 1133159 195.39 26.920 104.637 0.2439315 0.164361
72 7 1133229 0.3156 195.22 26.653 103.108 0.3157809 0.147122 -0.0002
72 7 1133329 0.4376 194.74 26.071 100.071 0.4372118 0.116826 0.0004
72 7 1133359 194.43 25.756 98.564 0.4880803 0.103769
72 7 1133429 0.5316 194.07 25.420 97.064 0.5321211 0.084820 -0.0005
72 7 1133459 193.66 25.081 95.573 0.5643721 0.052695
72 7 1133529 0.5805 193.20 24.720 94.089 0.5799698 0.015320 0.0005
72 7 1133629 0.5620 192.15 23.956 91.145 0.5624858 -0.051407 -0.0005
72 7 1133659 191.56 23.553 89.685 0.5318741 -0.080757
72 7 1133729 0.4886 190.92 23.136 88.233 0.4881957 -0.108301 0.0004
72 7 1133759 190.23 22.705 86.789 0.4320177 -0.134905
72 7 1133829 0.3642 189.50 22.262 85.354 0.3644086 -0.156445 -0.0002
72 7 1133929 0.2099 187.90 21.336 82.507 0.2099637 -0.171956 -0.0001
72 7 1133959 187.04 20.855 81.095 0.1316134 -0.165926
72 7 1134029 0.0584 186.13 20.362 79.692 0.0582411 -0.150233 0.0002
72 7 1134059 185.18 19.858 78.296 -0.0055451 -0.124399
72 7 1134129 -0.0562 184.19 19.342 76.907 -0.0563240 -0.096613 0.0001
72 7 1134229 -0.1272 182.08 18.278 74.152 -0.1265904 -0.059739 -0.0006
72 7 1134259 180.96 17.730 72.785 -0.1518330 -0.050651
72 7 1134329 -0.1756 179.81 17.173 71.424 -0.1764355 -0.061550 0.0008
72 7 1134359 178.61 16.605 70.071 -0.2138586 -0.106191
72 7 1134429 -0.2751 177.38 16.028 68.723 -0.2745667 -0.151344 -0.0005
72 7 1134529 -0.4208 174.80 14.848 66.046 -0.4207608 -0.143502 0.0000
72 7 1134559 173.45 14.245 64.716 -0.4760381 -0.090507
72 7 1134629 -0.5007 172.07 13.634 63.392 -0.5010371 -0.016106 0.0003
72 7 1134659 170.65 13.015 62.072 -0.4893565 0.068369
72 7 1134729 -0.4389 169.20 12.388 60.756 -0.4388046 0.146938 -0.0001
72 7 1134829 -0.2547 166.20 11.113 58.139 -0.2542821 0.238081 -0.0004
72 7 1134859 164.65 10.466 56.835 -0.1406121 0.250674
72 7 1134929 -0.0267 163.08 9.812 55.535 -0.0275211 0.232717 0.0008
72 7 1134959 161.47 9.152 54.238 0.0682506 0.175647
72 7 1135029 0.1318 159.83 8.487 52.944 0.1329095 0.107172 -0.0011
72 7 1135129 0.1876 156.48 7.140 50.361 0.1862045 0.019134 0.0014
72 7 1135159 154.76 6.460 49.072 0.1898950 -0.000429
72 7 1135229 0.1858 153.02 5.775 47.785 0.1873785 -0.009788 -0.0016
72 7 1135259 151.25 5.085 46.498 0.1814893 -0.015040
72 7 1135329 0.1746 149.47 4.392 45.211 0.1730010 -0.023478 0.0016
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72 7 1135829 -0.5047 130.61 -2.678 32.274 -0.5069493 -0.143830 0.0022
72 7 1135859 128.66 -3.391 30.964 -0.5530400 -0.040830
72 7 1135929 -0.5434 126.69 -4.105 29.650 -0.5416839 0.086443 -0.0017
72 7 114 029 -0.3670 122.74 -5.529 27.005 -0.3674953 0.276525 0.0005
72 7 114 059 120.76 -6.239 25.673 -0.2245037 0.339334
72 7 114 129 -0.0613 118.78 -6.947 24.336 -0.0620260 0.351080 0.0007
72 7 114 159 116.79 -7.653 22.991 0.0872598 0.282187
72 7 114 229 0.1931 114.81 -8.356 21.639 0.1954856 0.193484 -0.0024
72 7 114 329 0.3409 110.85 -9.753 18.912 0.3364232 0.139133 0.0045
72 7 114 359 108.87 -10.446 17.535 0.4070102 0.173486
72 7 114 429 0.4939 106.90 -11.134 16.150 0.4992035 0.224669 -0.0053

72 7 114 459 104.94 -11.818 14.755 0.6133288 0.268495
72 7 114 529 0.7477 102.98 -12.496 13.350 0.7441959 0.293310 0.0035
72 7 114 629 1.0046 99.10 -13.834 10.508 1.0049033 0.250938 -0.0003
72 7 114 659 97.18 -14.493 9.071 1.1064273 0.183752
72 7 114 729 1.1725 95.27 -15.145 7.623 1.1741118 0.113570 -0.0016
72 7 114 759 93.38 -15.789 6.162 1.2150903 0.068061
72 7 114 829 1.2391 91.51 -16.424 4.689 1.2378951 0.028652 0.0012
72 7 114 929 1.2148 87.81 -17.667 1.706 1.2145252 -0.087586 0.0003
72 7 114 959 86.00 -18.274 0.194 1.1568331 -0.164415
72 7 1141029 1.0590 84.20 -18.870 -1.331 1.0606565 -0.254593 -0.0017
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72 7 1141129 0.7351 80.69 -20.027 -4.422 0.7318256 -0.446172 0.0033
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72 7 1141329 -0.0857 73.99 -22.186 -10.776 -0.0906041 -0.347661 0.0049
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72 7 1141929 -0.7671 57.27 -27.072 -31.207 -0.7877850 0.132098 0.0207
72 7 1141959 56.15 -27.349 -32.993 -0.6802894 0.353270
72 7 1142029 -0.4686 55.07 -27.604 -34.791 -0.4685610 0.529142 0.0000
72 7 1142129 -0.0771 53.06 -28.045 -38.416 -0.0424834 0.254558 -0.0346
72 7 1142159 52.13 -28.230 -40.242 -0.6209101 -0.195898
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72 7 1143029 0.5518 44.38 -27.564 -71.693 0.5355040 0.191899 0.0153
72 7 1143059 44.43 -27.301 -73.512 0.6424972 0.282587
72 7 1143129 0.7760 44.53 -27.016 -75.321 0.7820033 0.279504 -0.0060
72 7 1143159 44.69 -26.708 -77.121 0.8615691 0.022926
72 7 1143229 0.7942 44.90 -26.377 -78.911 0.7915974 -0.308866 0.0026
72 7 1143329 0.3099 45.49 -25.650 -82.457 0.3110648 -0.663258 -0.0012
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72 7 1143429 -0.2793 46.31 -24.840 -85.955 -0.2795602 -0.431191 0.0003
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72 7 1143529 -0.0504 47.35 -23.951 -89.401 -0.0503884 0.820563 0.0000
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ISTATE = 1812.398 115.7748 -358.0121 -0.1062011
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DUTSEC = 0.0000000E+00,

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ELON    = -5.506927, 2*0.0000000E+00,
ROTR    = 8.9400001E-03,
DTFIT   = 0.2000000
CONFAC  = 1.083000
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72 7 1132150	0.2031	185.46	28.547	112.303	0.2031040	0.155788	0.0000	
72 7 1132220		185.99	28.504	110.705	0.2705115	0.135683		
72 7 1132250	0.3283	186.47	28.442	109.109	0.3282818	0.114896	0.0000	
72 7 1132350	0.4174	187.31	28.263	105.927	0.4174362	0.079607	0.0000	
72 7 1132420		187.66	28.146	104.341	0.4507567	0.065104		
72 7 1132450	0.4777	187.98	28.011	102.760	0.4777178	0.051695	0.0000	
72 7 1132520		188.24	27.858	101.183	0.4985077	0.038395		
72 7 1132550	0.5131	188.47	27.687	99.612	0.5128385	0.022946	0.0003	
72 7 1132650	0.5144	188.78	27.294	96.485	0.5150295	-0.021130	-0.0006	
72 7 1132720		188.88	27.071	94.931	0.4988371	-0.049756		
72 7 1132750	0.4695	188.93	26.832	93.383	0.4685345	-0.081956	0.0010	
72 7 1132820		188.93	26.575	91.842	0.4227447	-0.116886		
72 7 1132850	0.3595	188.89	26.303	90.309	0.3608536	-0.150192	-0.0014	
72 7 1132950	0.1997	188.68	25.710	87.263	0.1978921	-0.198779	0.0018	
72 7 1133020		188.51	25.389	85.752	0.1023723	-0.214063		
72 7 1133050	-0.0006	188.29	25.054	84.248	0.0010704	-0.223910	-0.0017	
72 7 1133120		188.03	24.703	82.753	-0.1036270	-0.228882		
72 7 1133150	-0.2089	187.73	24.338	81.265	-0.2089994	-0.225595	0.0001	
72 7 1133250	-0.3994	186.99	23.564	78.315	-0.4017310	-0.184101	0.0023	
72 7 1133320		186.56	23.156	76.853	-0.4783465	-0.145898		
72 7 1133350	-0.5404	186.09	22.735	75.398	-0.5366063	-0.108745	-0.0038	
72 7 1133420		185.57	22.300	73.952	-0.5808780	-0.085355		
72 7 1133450	-0.6145	185.01	21.853	72.515	-0.6180356	-0.078976	0.0035	
72 7 1133550	-0.7094	183.76	20.920	69.664	-0.7069099	-0.127039	-0.0025	
72 7 1133620		183.08	20.436	68.250	-0.7773383	-0.181472		
72 7 1133650	-0.8689	182.35	19.940	66.845	-0.8703526	-0.209098	0.0015	
72 7 1133720		181.59	19.433	65.447	-0.9590406	-0.162833		
72 7 1133750	-1.0139	180.78	18.915	64.057	-1.0138153	-0.071828	-0.0001	
72 7 1133850	-0.9810	179.05	17.847	61.300	-0.9793581	0.156834	-0.0016	
72 7 1133920		178.13	17.297	59.931	-0.8757865	0.294485		
72 7 1133950	-0.7065	177.16	16.738	58.576	-0.7092903	0.420645	0.0027	
72 7 1134020		176.17	16.170	57.215	-0.4933316	0.508182		
72 7 1134050	-0.2493	175.13	15.593	55.867	-0.2466855	0.552017	-0.0026	
72 7 1134150	0.2529	172.95	14.412	53.189	0.2508849	0.493163	0.0020	
72 7 1134220		171.81	13.809	51.858	0.4567222	0.390496		
72 7 1134250	0.6073	170.63	13.198	50.532	0.6086267	0.269518	-0.0013	
72 7 1134320		169.42	12.580	49.212	0.7074841	0.160828		
72 7 1134350	0.7598	168.17	11.955	47.896	0.7596010	0.068252	0.0002	
72 7 1134450	0.7600	165.59	10.684	45.277	0.7587163	-0.056824	0.0013	
72 7 1134520		164.25	10.039	43.973	0.7242113	-0.089335		
72 7 1134550	0.6758	162.88	9.387	42.673	0.6777170	-0.112159	-0.0019	
72 7 1134620		161.48	8.731	41.375	0.6205540	-0.135606		
72 7 1134650	0.5536	160.06	8.069	40.081	0.5527881	-0.157174	0.0008	
72 7 1134750	0.3936	157.12	6.730	37.497	0.3924006	-0.187302	0.0012	
72 7 1134820		155.62	6.053	36.208	0.3038033	-0.195823		
72 7 1134850	0.2100	154.08	5.373	34.921	0.2122203	-0.200214	-0.0022	
72 7 1134920		152.53	4.689	33.633	0.1195349	-0.200697		
72 7 1134950	0.0299	150.95	4.001	32.347	0.0286193	-0.190040	0.0013	
72 7 1135050	-0.1166	147.73	2.617	29.773	-0.1172324	-0.113631	0.0006	
72 7 1135120		146.09	1.921	28.485	-0.1552193	-0.047888		
72 7 1135150	-0.1631	144.43	1.222	27.196	-0.1615227	0.017351	-0.0016	
72 7 1135220		142.75	0.522	25.905	-0.1421906	0.063173		
72 7 1135250	-0.1056	141.06	-0.180	24.613	-0.1061749	0.089588	0.0006	

72 7 1135350	-0.0186	137.63	-1.586	22.019	-0.0199997	0.084113	0.0014
72 7 1135420		135.89	-2.290	20.718	0.0122178	0.052232	
72 7 1135450	0.0273	134.14	-2.995	19.413	0.0295474	0.028931	-0.0022
72 7 1135520		132.37	-3.699	18.104	0.0445643	0.042228	
72 7 1135550	0.0724	130.60	-4.402	16.790	0.0716587	0.075782	0.0007
72 7 1135650	0.1788	127.03	-5.806	14.148	0.1768259	0.154617	0.0020
72 7 1135720		125.24	-6.506	12.818	0.2585013	0.199896	
72 7 1135750	0.3570	123.44	-7.203	11.482	0.3599007	0.235399	-0.0029
72 7 1135820		121.63	-7.898	10.139	0.4722436	0.247417	
72 7 1135850	0.5847	119.83	-8.590	8.789	0.5847499	0.236001	0.0000
72 7 1135950	0.7720	116.21	-9.963	6.066	0.7669220	0.142989	0.0051
72 7 114 020		114.40	-10.644	4.693	0.8149984	0.061406	
72 7 114 050	0.8156	112.60	-11.320	3.310	0.8227831	-0.025583	-0.0072
72 7 114 120		110.79	-11.991	1.918	0.7933271	-0.099933	
72 7 114 150	0.7346	109.00	-12.656	0.517	0.7314141	-0.168365	0.0032
72 7 114 250	0.5160	105.42	-13.968	-2.316	0.5119725	-0.307442	0.0040
72 7 114 320		103.64	-14.613	-3.749	0.3537729	-0.378087	
72 7 114 350	0.1578	101.88	-15.252	-5.193	0.1658588	-0.429226	-0.0081
72 7 114 420		100.12	-15.882	-6.648	-0.0364328	-0.440580	
72 7 114 450	-0.2310	98.38	-16.503	-8.115	-0.2370729	-0.426708	0.0061
72 7 114 550	-0.6080	94.93	-17.719	-11.085	-0.6067746	-0.366951	-0.0012
72 7 114 620		93.23	-18.311	-12.590	-0.7659883	-0.321069	
72 7 114 650	-0.9025	91.55	-18.893	-14.107	-0.9010652	-0.261098	-0.0014
72 7 114 720		89.88	-19.464	-15.638	-1.0043933	-0.183661	
72 7 114 750	-1.0707	88.25	-20.023	-17.182	-1.0705470	-0.105589	-0.0002
72 7 114 850	-1.1097	85.03	-21.102	-20.311	-1.1134645	-0.001801	0.0038
72 7 114 920		83.44	-21.622	-21.896	-1.1052396	0.031127	
72 7 114 950	-1.0941	81.90	-22.128	-23.495	-1.0889570	0.032933	-0.0051
72 7 1141020		80.37	-22.618	-25.109	-1.0807993	-0.004056	
72 7 1141050	-1.0865	78.68	-23.094	-26.736	-1.0882182	-0.011892	0.0017
72 7 1141150	-0.9975	75.97	-23.996	-30.033	-1.0018282	0.263745	0.0043
72 7 1141220		74.55	-24.422	-31.702	-0.8183932	0.547171	
72 7 1141250	-0.5088	73.18	-24.830	-33.385	-0.5000481	0.808041	-0.0088
72 7 1141320		71.83	-25.219	-35.081	-0.0942029	0.926547	
72 7 1141350	0.3440	70.53	-25.590	-36.790	0.3329721	0.898663	0.0110
72 7 1141450	0.9622	68.01	-26.273	-40.246	0.9748995	0.391428	-0.0127
72 7 1141520		66.80	-26.585	-41.993	1.0507569	-0.087848	
72 7 1141550	0.9284	65.64	-26.875	-43.750	0.9155787	-0.425266	0.0128
72 7 1141620		64.51	-27.143	-45.519	0.7249369	-0.328324	
72 7 1141650	0.6290	63.43	-27.390	-47.298	0.6385051	-0.061983	-0.0095
72 7 1141750	0.7285	61.39	-27.817	-50.885	0.7242231	0.183942	0.0043
72 7 1141850	0.8597	59.51	-28.151	-54.504	0.8605478	0.047631	-0.0008

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5.125361, 4.455777
ICORD = 1,
TSTATE = 1863.560, 119.0391, -139.4763, -2.1953136E-02,
-1.422799, -0.7568851
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TRANSA = 0.0000000E+00,
TRANSE = 0.0000000E+00,
GM = 4902.780
ERAD = 379987.1
ELAT = -4.899537, 2*0.0000000E+00,
ELON = -5.488434, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DTFIT = 0.2000000
CONFAC = 1.083000
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EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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YYMMDDHHMMSS	Hr	Km	Deg.	Deg.	Hr	mm/s**2	Hr
72 7 1151254	0.4854	173.34	27.967	114.752	0.4854005	0.122580	0.0000
72 7 1151354	0.5715	175.26	28.232	111.543	0.5714868	0.066271	0.0000
72 7 1151424		176.16	28.337	109.935	0.5966888	0.043488	
72 7 1151454	0.6121	177.03	28.422	108.326	0.6121594	0.024058	-0.0001
72 7 1151554	0.6199	178.66	28.536	105.106	0.6197840	-0.005467	0.0001
72 7 1151624		179.41	28.565	103.496	0.6148096	-0.015560	
72 7 1151654	0.6052	180.13	28.575	101.886	0.6050944	-0.027749	0.0001
72 7 1151724		180.81	28.566	100.278	0.5880604	-0.047252	
72 7 1151754	0.5599	181.44	28.538	98.671	0.5609635	-0.070017	-0.0011
72 7 1151854	0.4786	182.60	28.427	95.464	0.4761287	-0.113217	0.0025
72 7 1151924		183.12	28.343	93.866	0.4191046	-0.133652	
72 7 1151954	0.3494	183.59	28.240	92.270	0.3523639	-0.156410	-0.0030
72 7 1152024		184.03	28.120	90.679	0.2738417	-0.184612	
72 7 1152054	0.1837	184.42	27.981	89.093	0.1822014	-0.210870	0.0015
72 7 1152154	-0.0257	185.09	27.650	85.935	-0.0267213	-0.235447	0.0010
72 7 1152224		185.36	27.458	84.364	-0.1354051	-0.233761	
72 7 1152254	-0.2441	185.59	27.248	82.800	-0.2417894	-0.227018	-0.0023
72 7 1152324		185.77	27.022	81.242	-0.3449002	-0.219470	
72 7 1152354	-0.4423	185.91	26.778	79.690	-0.4434821	-0.205697	0.0012
72 7 1152454	-0.6070	186.07	26.241	76.609	-0.6081424	-0.143188	0.0011
72 7 1152524		186.09	25.948	75.080	-0.6634530	-0.094446	
72 7 1152554	-0.6993	186.06	25.639	73.558	-0.6969993	-0.056396	-0.0023
72 7 1152624		186.00	25.315	72.044	-0.7206067	-0.051364	
72 7 1152654	-0.7462	185.88	24.975	70.539	-0.7473209	-0.065142	0.0011
72 7 1152754	-0.8239	185.54	24.251	67.553	-0.8251439	-0.106487	0.0012
72 7 1152824		185.30	23.867	66.072	-0.8805013	-0.134058	
72 7 1152854	-0.9479	185.02	23.469	64.600	-0.9451386	-0.137019	-0.0028
72 7 1152924		184.70	23.057	63.136	-0.9987345	-0.086159	
72 7 1152954	-1.0168	184.34	22.632	61.681	-1.0196283	-0.082342	0.0028
72 7 1153054	-0.9336	183.49	21.743	58.797	-0.9313210	-0.201782	-0.0023
72 7 1153124		183.00	21.279	57.367	-0.8108966	0.321935	
72 7 1153154	-0.6357	182.47	20.803	55.946	-0.6374030	0.420495	0.0017
72 7 1153224		181.91	20.316	54.533	-0.4311497	0.463644	
72 7 1153254	-0.2167	181.30	19.817	53.128	-0.2158114	0.464439	-0.0009
72 7 1153354	0.1821	179.97	18.785	50.342	-0.1822450	0.378242	-0.0001
72 7 1153424		179.24	18.253	48.960	0.3379321	0.291234	
72 7 1153454	0.4509	178.48	17.711	47.586	0.4503906	0.199185	0.0005
72 7 1153524		177.67	17.160	46.219	0.5247883	0.126258	
72 7 1153554	0.5694	176.83	16.598	44.859	0.5688555	0.065538	0.0005
72 7 1153654	0.5766	175.04	15.448	42.159	0.5789426	-0.040197	-0.0023
72 7 1153724		174.09	14.860	40.819	0.5497885	-0.085210	
72 7 1153754	0.5049	173.11	14.263	39.484	0.5020659	-0.118529	0.0028
72 7 1153824		172.09	13.659	38.155	0.4431307	-0.133724	
72 7 1153854	0.3797	171.03	13.047	36.832	0.3801308	-0.138912	-0.0004
72 7 1153954	0.2455	168.82	11.801	34.200	0.2490977	-0.143654	-0.0036
72 7 1154024		167.67	11.168	32.891	0.1827981	-0.143208	
72 7 1154054	0.1255	166.48	10.528	31.585	0.1191705	-0.127779	0.0063
72 7 1154124		165.26	9.883	30.284	0.0691388	-0.084249	
72 7 1154154	0.0362	164.01	9.231	28.966	0.0432306	-0.028657	-0.0070
72 7 1154254	0.0708	161.43	7.912	26.399	0.0638500	0.070684	0.0069
72 7 1154324		160.10	7.245	25.110	0.1067399	0.114433	
72 7 1154354	0.1612	158.73	6.574	23.822	0.1673757	0.144313	-0.0062
72 7 1154424		157.34	5.898	22.536	0.2363365	0.150426	
72 7 1154454	0.3072	155.93	5.218	21.251	0.3036460	0.139464	0.0036
72 7 1154554	0.4114	153.03	3.848	18.683	0.4111142	0.086391	0.0003
72 7 1154624		151.54	3.159	17.400	0.4416806	0.044275	
72 7 1154654	0.4500	150.03	2.466	16.116	0.4529848	0.008561	-0.0030
72 7 1154724		148.50	1.772	14.832	0.4531489	-0.003988	
72 7 1154754	0.4561	146.95	1.075	13.546	0.4520573	0.001362	0.0040
72 7 1154854	0.4673	143.79	-0.323	10.969	0.4718533	0.049933	-0.0046
72 7 1154924		142.19	-1.024	9.678	0.5044031	0.093160	
72 7 1154954	0.5611	140.57	-1.725	8.384	0.5566828	0.128670	0.0044
72 7 1155024		138.93	-2.427	7.086	0.6188986	0.136141	
72 7 1155054	0.6765	137.28	-3.128	5.785	0.6792843	0.123429	-0.0028
72 7 1155154	0.7685	133.94	-4.530	3.170	0.7682464	0.061050	0.0003

72 7 1155224		132.25	-5.230	1.856	0.7854416	0.011377	
72 7 1155254	0.7783	130.56	-5.928	0.536	0.7769681	-0.049910	0.0013
72 7 1155324		128.85	-6.624	-0.789	0.7376660	-0.122148	
72 7 1155354	0.6629	127.14	-7.318	-2.121	0.6641981	-0.194312	-0.0013
72 7 1155454	0.4306	123.69	-8.698	-4.805	0.4300430	-0.305500	0.0006
72 7 1155524		121.96	-9.383	-6.157	0.2795485	-0.344520	
72 7 1155554	0.1130	120.23	-10.064	-7.518	0.1127747	-0.378046	0.0002
72 7 1155624		118.50	-10.741	-8.886	-0.0695414	-0.411665	
72 7 1155654	-0.2674	116.76	-11.413	-10.264	-0.2660457	-0.436885	-0.0014
72 7 1155754	-0.6718	113.30	-12.741	-13.046	-0.6745663	-0.436725	0.0028
72 7 1155824		111.57	-13.396	-14.452	-0.8710063	-0.411337	
72 7 1155854	-1.0519	109.84	-14.045	-15.868	-1.0492898	-0.352864	-0.0026
72 7 1155924		108.13	-14.686	-17.295	-1.1892265	-0.245045	
72 7 1155954	-1.2745	106.41	-15.320	-18.733	-1.2732345	-0.122087	-0.0013
72 7 116 054	-1.2856	103.01	-16.563	-21.643	-1.2928782	0.066874	0.0073
72 7 116 124		101.33	-17.172	-23.115	-1.2460330	0.132867	
72 7 116 154	-1.1878	99.65	-17.770	-24.600	-1.1782695	0.146407	-0.0095
72 7 116 224		97.99	-18.359	-26.098	-1.1240698	0.074038	
72 7 116 254	-1.1064	96.35	-18.937	-27.608	-1.1101996	-0.000285	0.0038
72 7 116 354	-1.0845	93.10	-20.058	-30.668	-1.0907933	0.096970	0.0063
72 7 116 424		91.50	-20.601	-32.219	-1.0095521	0.268589	
72 7 116 454	-0.8477	89.92	-21.131	-33.782	-0.8339612	0.497668	-0.0137
72 7 116 524		88.37	-21.647	-35.360	-0.5449130	0.759843	
72 7 116 554	-0.1276	86.83	-22.149	-36.951	-0.1453081	0.937949	0.0177
72 7 116 654	0.6479	83.82	-23.108	-40.176	0.6686131	0.690941	-0.0207
72 7 116 724		82.36	-23.565	-41.809	0.8972175	0.265729	
72 7 116 754	0.9401	80.91	-24.005	-43.455	0.9203535	-0.118274	0.0197
72 7 116 824		79.50	-24.427	-45.116	0.8315904	-0.218960	
72 7 116 854	0.7314	78.11	-24.833	-46.790	0.7406892	-0.173342	-0.0093
72 7 116 954	0.6258	75.43	-25.589	-50.177	0.6326559	-0.054534	-0.0069
72 7 1161024		74.14	-25.939	-51.890	0.6240201	0.010660	
72 7 1161054	0.6591	72.87	-26.268	-53.615	0.6426593	0.044928	0.0164
72 7 1161124		71.65	-26.578	-55.352	0.6496472	-0.031835	
72 7 1161154	0.5965	70.45	-26.867	-57.100	0.6107546	-0.124955	-0.0143
72 7 1161254	0.4918	68.16	-27.381	-60.629	0.4851030	-0.100343	0.0067
72 7 1161324		67.08	-27.605	-62.408	0.4632538	0.017422	
72 7 1161354	0.4964	66.03	-27.807	-64.197	0.4978832	0.113762	-0.0015
72 7 1161454	0.5701	64.05	-28.141	-67.797	0.5700451	-0.032870	0.0001

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72 7 115 531 0.0433 162.13 26.193 114.706 0.0432918 0.167514 0.0000
72 7 115 631 0.1686 164.56 26.741 111.552 0.1688214 0.108224 -0.0002
72 7 115 7 1 165.73 26.989 109.967 0.2137115 0.087223

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72 7 115 731	0.2509	166.87	27.218	108.377	0.2498999	0.069740	0.0010
72 7 115 831	0.2974	169.05	27.623	105.185	0.2995367	0.038629	-0.0021
72 7 115 9 1		170.09	27.797	103.583	0.3141742	0.025002	
72 7 115 931	0.3253	171.10	27.953	101.978	0.3226523	0.011575	0.0026
72 7 11510 1		172.07	28.090	100.371	0.3247284	-0.002726	
72 7 1151031	0.3178	173.02	28.209	98.761	0.3196855	-0.019942	-0.0019
72 7 1151131	0.2805	174.79	28.389	95.537	0.2800459	-0.069216	0.0005
72 7 11512 1		175.63	28.451	93.923	0.2408857	-0.101271	
72 7 1151231	0.1876	176.43	28.494	92.309	0.1870331	-0.130081	0.0006
72 7 11513 1		177.19	28.518	90.696	0.1225392	-0.147433	
72 7 1151331	0.0510	177.91	28.522	89.083	0.0519937	-0.157667	-0.0010
72 7 1151431	-0.0988	179.25	28.475	85.862	-0.1000283	-0.169751	0.0012
72 7 11515 1		179.85	28.424	84.255	-0.1789240	-0.171602	
72 7 1151531	-0.2587	180.43	28.353	82.651	-0.2575134	-0.167180	-0.0012
72 7 11516 1		180.96	28.264	81.050	-0.3317914	-0.153006	
72 7 1151631	-0.3970	181.45	28.157	79.453	-0.3975081	-0.130489	0.0005
72 7 1151731	-0.4892	182.32	27.887	76.272	-0.4897443	-0.064677	0.0005
72 7 11518 1		182.69	27.725	74.689	-0.5098749	-0.021385	
72 7 1151831	-0.5120	183.02	27.545	73.111	-0.5109277	0.012548	-0.0011
72 7 11519 1		183.31	27.348	71.539	-0.5022399	0.020817	
72 7 1151931	-0.4936	183.56	27.134	69.974	-0.4941681	0.013089	0.0006
72 7 1152031	-0.4956	183.94	26.653	66.863	-0.4960480	-0.021388	0.0004
72 7 11521 1		184.07	26.388	65.318	-0.5118502	-0.048132	
72 7 1152131	-0.5389	184.15	26.106	63.781	-0.5379977	-0.058660	-0.0009
72 7 11522 1		184.20	25.808	62.251	-0.5600482	-0.030413	
72 7 1152231	-0.5626	184.20	25.495	60.730	-0.5627925	0.019174	0.0002
72 7 1152331	-0.4940	184.09	24.821	57.710	-0.4951230	0.129988	0.0011
72 7 11524 1		183.97	24.462	56.213	-0.4211348	0.191215	
72 7 1152431	-0.3225	183.81	24.088	54.725	-0.3206320	0.238966	-0.0019
72 7 11525 1		183.60	23.700	53.244	-0.2052356	0.255850	
72 7 1152531	-0.0860	183.36	23.297	51.773	-0.0875401	0.252261	0.0015
72 7 1152631	0.1305	182.75	22.452	48.855	-0.1311997	0.214799	-0.0007
72 7 11527 1		182.39	22.010	47.410	0.2229274	0.180932	
72 7 1152731	0.2977	181.98	21.555	45.972	0.2976092	0.142822	0.0001
72 7 11528 1		181.54	21.087	44.543	0.3550582	0.106349	
72 7 1152831	0.3957	181.05	20.608	43.123	0.3955171	0.068007	0.0002
72 7 1152931	0.4168	179.97	19.614	40.307	0.4171540	-0.024705	-0.0004
72 7 11530 1		179.36	19.100	38.910	0.3934067	-0.079072	
72 7 1153031	0.3460	178.72	18.576	37.522	0.3456283	-0.123756	0.0004
72 7 11531 1		178.04	18.041	36.141	0.2829447	-0.143702	
72 7 1153131	0.2157	177.33	17.497	34.768	0.2157527	-0.145365	-0.0001
72 7 1153231	0.0923	175.78	16.378	32.043	0.0927500	-0.113165	-0.0005
72 7 11533 1		174.95	15.805	30.691	0.0478693	-0.079309	
72 7 1153331	0.0215	174.09	15.223	29.345	0.0209776	-0.035997	0.0005
72 7 11534 1		173.19	14.633	28.005	0.0157113	0.014355	
72 7 1153431	0.0339	172.25	14.034	26.671	0.0335106	0.059990	0.0004
72 7 1153531	0.1114	170.28	12.814	24.021	0.1132517	0.101725	-0.0019
72 7 11536 1		169.25	12.193	22.703	0.1599467	0.097833	
72 7 1153631	0.2036	168.18	11.565	21.390	0.2011654	0.078214	0.0024
72 7 11537 1		167.08	10.931	20.081	0.2298700	0.043660	
72 7 1153731	0.2395	165.94	10.290	18.777	0.2406684	0.003856	-0.0012
72 7 1153831	0.2112	163.59	8.991	16.179	0.2122816	-0.062370	-0.0011
72 7 11539 1		162.36	8.333	14.884	0.1772193	-0.088795	
72 7 1153931	0.1350	161.11	7.671	13.593	0.1326427	-0.099932	0.0024
72 7 11540 1		159.83	7.003	12.303	0.0889665	-0.084943	
72 7 1154031	0.0547	158.53	6.332	11.016	0.055075	-0.055033	-0.0018
72 7 1154131	0.0377	155.84	4.976	8.445	0.0373041	0.015912	0.0004
72 7 11542 1		154.45	4.293	7.161	0.0539776	0.056945	
72 7 1154231	0.0901	153.05	3.607	5.878	0.0896776	0.096612	0.0004
72 7 11543 1		151.62	2.918	4.594	0.1421066	0.129808	
72 7 1154331	0.2076	150.16	2.227	3.311	0.2077196	0.151177	-0.0001
72 7 1154431	0.3478	147.20	0.837	0.740	0.3485022	0.142286	-0.0007
72 7 11545 1		145.68	0.140	-0.547	0.4078645	0.112035	
72 7 1154531	0.4503	144.15	-0.558	-1.837	0.4492290	0.064115	0.0011
72 7 11546 1		142.60	-1.257	-3.129	0.4642852	-0.001902	
72 7 1154631	0.4465	141.04	-1.957	-4.423	0.4469913	-0.071015	-0.0005

72 7 1154731	0.3299	137.86	-3.356	-7.023	0.3304796	-0.173385	-0.0006
72 7 11548 1		136.25	-4.056	-8.328	0.2423042	-0.206647	
72 7 1154831	0.1414	134.63	-4.754	-9.638	0.1402741	-0.235968	0.0011
72 7 11549 1		133.00	-5.451	-10.953	0.0238017	-0.269326	
72 7 1154931	-0.1083	131.36	-6.146	-12.274	-0.1076653	-0.297821	-0.0006
72 7 1155031	-0.3945	128.05	-7.530	-14.932	-0.3941197	-0.313449	-0.0004
72 7 11551 1		126.38	-8.219	-16.271	-0.5363770	-0.300588	
72 7 1155131	-0.6665	124.71	-8.904	-17.617	-0.6675981	-0.261274	0.0011
72 7 11552 1		123.03	-9.585	-18.971	-0.7716163	-0.182872	
72 7 1155231	-0.8349	121.35	-10.262	-20.332	-0.8335262	-0.085485	-0.0014
72 7 1155331	-0.8223	117.98	-11.603	-23.080	-0.8238134	0.105740	0.0015
72 7 11554 1		116.30	-12.266	-24.467	-0.7532969	0.199579	
72 7 1155431	-0.6461	114.61	-12.923	-25.864	-0.6443188	0.262256	-0.0018
72 7 11555 1		112.93	-13.574	-27.270	-0.5205587	0.263743	
72 7 1155531	-0.4042	111.25	-14.218	-28.687	-0.4066685	0.227033	0.0025
72 7 1155631	-0.2507	107.91	-15.484	-31.553	-0.2473133	0.107990	-0.0034
72 7 11557 1		106.25	-16.105	-33.003	-0.2158792	0.025665	
72 7 1155731	-0.2102	104.60	-16.717	-34.464	-0.2128283	0.013489	0.0026
72 7 11558 1		102.95	-17.320	-35.937	-0.1795236	0.156730	
72 7 1155831	-0.0613	101.32	-17.913	-37.423	-0.0636490	0.328886	0.0023
72 7 1155931	0.2838	98.09	-19.069	-40.432	0.2936897	0.379957	-0.0099
72 7 116 0 1		96.50	-19.630	-41.955	0.4449090	0.258921	
72 7 116 031	0.5431	94.92	-20.179	-43.492	0.5291795	0.114647	0.0139
72 7 116 1 1		93.35	-20.715	-45.043	0.5586784	0.021705	
72 7 116 131	0.5451	91.81	-21.239	-46.606	0.5563400	-0.024947	-0.0112
72 7 116 231	0.5400	88.78	-22.245	-49.775	0.5347382	0.005699	0.0053
72 7 116 3 1		87.29	-22.726	-51.380	0.5536169	0.082977	
72 7 116 331	0.6037	85.83	-23.191	-52.998	0.6048651	0.118039	-0.0012
72 7 116 431	0.6108	82.97	-24.075	-56.276	0.6107569	-0.189112	0.0000

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-1.404909, -0.7163896
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TRANSX = 0.0000000E+00,
TRANSY = 0.0000000E+00,
GM = 4902.780
EPAD = 379738.3
ELAT = -4.965367, 2*0.0000000E+00,
ELON = -5.469147, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DIFIT = 0.2000000
CONEAC = 1.083000
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72 7 1165828 0.4372 148.29 23.902 111.040 0.4371978 0.025137 0.0000
72 7 1165928 0.4463 150.94 24.752 107.949 0.4463605 -0.002923 -0.0001
72 7 1165958 0.4463 152.23 25.113 106.393 0.4428645 -0.011626
72 7 117 028 0.4362 153.50 25.457 104.831 0.4359269 -0.018379 0.0003
72 7 117 128 0.4125 155.96 26.093 101.686 0.4130858 -0.030868 -0.0006
72 7 117 158 0.3792 157.16 26.385 100.104 0.3974913 -0.036605
72 7 117 228 0.3792 158.33 26.660 98.516 0.3784214 -0.047967 0.0008
72 7 117 258 0.3114 159.48 26.916 96.923 0.3514125 -0.070941
72 7 117 328 0.3114 160.60 27.155 95.325 0.3121645 -0.090831 -0.0008
72 7 117 428 0.1977 162.75 27.577 92.116 0.1970345 -0.149374 0.0007
72 7 117 458 0.1977 163.79 27.760 90.505 0.127570 -0.172026
72 7 117 528 0.0386 164.79 27.924 88.890 0.0393227 -0.187354 -0.0007

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72 7 117 558		165.77	28.069	87.273	-0.0482575	-0.189803		72 7 1174528	-0.6239	133.91	-6.071	-25.806	-0.6233538	-0.011861	-0.0005
72 7 117 628	-0.1334	166.71	28.195	85.653	-0.1345737	-0.183409	0.0012	72 7 1174628	-0.5733	130.90	-7.453	-28.456	-0.5728302	0.115875	-0.0005
72 7 117 728	-0.2947	168.51	28.390	82.409	-0.2928459	-0.156205	-0.0019	72 7 1174658		129.37	-8.141	-29.790	-0.5070734	0.167558	
72 7 117 758		169.36	28.459	80.785	-0.3603591	-0.135390		72 7 1174728	-0.4206	127.85	-8.825	-31.130	-0.4216352	0.196400	0.0010
72 7 117 828	-0.4146	170.18	28.509	79.160	-0.4166419	-0.106639	0.0020	72 7 1174758		126.31	-9.505	-32.479	-0.3314974	0.187725	
72 7 117 858		170.97	28.539	77.536	-0.4571111	-0.066781		72 7 1174828	-0.2525	124.77	-10.181	-33.834	-0.2517551	0.156557	-0.0007
72 7 117 928	-0.4791	171.72	28.550	75.913	-0.4779550	-0.024607	-0.0011	72 7 1174928	-0.1440	121.68	-11.520	-36.569	-0.1440392	0.071769	0.0000
72 7 1171028	-0.4690	173.12	28.515	72.670	-0.4686437	0.040493	-0.0004	72 7 1174958		120.12	-12.182	-37.950	-0.1229909	0.018143	
72 7 1171058		173.77	28.468	71.051	-0.4444051	0.063412		72 7 1175028	-0.1250	118.57	-12.838	-39.340	-0.1255218	-0.024065	0.0005
72 7 1171128	-0.4113	174.38	28.403	69.435	-0.4125934	0.070091	0.0013	72 7 1175058		117.02	-13.487	-40.739	-0.1405584	-0.036008	
72 7 1171158		174.96	28.319	67.823	-0.3836957	0.050720		72 7 1175128	-0.1563	115.47	-14.130	-42.148	-0.1553612	-0.025798	-0.0009
72 7 1171228	-0.3681	175.50	28.216	66.215	-0.3668465	0.024265	-0.0013	72 7 1175228	-0.1533	112.37	-15.395	-44.998	-0.1546484	0.036689	0.0013
72 7 1171328	-0.3553	176.48	27.955	63.011	-0.3560921	0.006940	0.0008	72 7 1175258		110.82	-16.015	-46.439	-0.1261718	0.088980	
72 7 1171358		176.91	27.796	61.416	-0.3512335	0.016081		72 7 1175328	-0.0743	109.29	-16.626	-47.892	-0.0729933	0.138041	-0.0013
72 7 1171428	-0.3402	177.31	27.620	59.827	-0.3396944	0.035302	-0.0005	72 7 1175358		107.75	-17.229	-49.356	-0.0018464	0.166684	
72 7 1171458		177.66	27.426	58.244	-0.3173537	0.062839		72 7 1175428	0.0782	106.23	-17.821	-50.832	0.0779953	0.176366	0.0002
72 7 1171528	-0.2810	177.99	27.214	56.668	-0.2815475	0.091208	0.0005	72 7 1175528	0.2325	103.21	-18.976	-53.820	0.2309798	0.143357	0.0015
72 7 1171628	-0.1790	178.52	26.739	53.535	-0.1782587	0.128103	-0.0007	72 7 1175558		101.71	-19.537	-55.334	0.2879922	0.100648	
72 7 1171658		178.72	26.475	51.979	-0.1168797	0.136623		72 7 1175628	0.3212	100.23	-20.086	-56.860	0.3237021	0.056512	-0.0025
72 7 1171728	-0.0520	178.89	26.195	50.431	-0.0529828	0.139455	0.0010	72 7 1175658		98.75	-20.623	-58.399	0.3424076	0.026930	
72 7 1171758		179.03	25.899	48.891	0.0111570	0.137539		72 7 1175728	0.3523	97.30	-21.147	-59.951	0.3501899	0.007863	0.0021
72 7 1171828	0.0718	179.12	25.587	47.359	0.0732199	0.130451	-0.0014	72 7 1175828	0.3457	94.43	-22.154	-63.096	0.3467683	-0.010986	-0.0011
72 7 1171928	0.1831	179.19	24.916	44.320	0.1810973	0.099479	0.0020	72 7 1175858		93.01	-22.637	-64.689	0.3414995	-0.010761	
72 7 1171958		179.17	24.557	42.814	0.2217356	0.075589		72 7 1175928	0.3384	91.63	-23.104	-66.295	0.3380587	-0.002562	0.0003
72 7 1172028	0.2465	179.11	24.184	41.316	0.2486942	0.037380	-0.0022	72 7 1175958		90.25	-23.555	-67.914	0.3406020	0.015164	
72 7 1172058		179.02	23.796	39.826	0.2526879	-0.023931		72 7 118 028	0.3514	88.90	-23.991	-69.547	0.3515063	0.029305	-0.0001
72 7 1172128	0.2271	178.88	23.394	38.346	0.2255543	-0.092085	0.0015	72 7 118 128	0.3737	86.26	-24.811	-72.852	0.3736561	0.007549	0.0000
72 7 1172228	0.0872	178.50	22.548	35.412	0.0876336	-0.200428	-0.0004	72 7 118 228	0.3449	83.71	-25.560	-76.209	0.3449087	-0.080938	0.0000
72 7 1172258		178.25	22.106	33.958	-0.0145595	-0.240608									
72 7 1172328	-0.1302	177.96	21.650	32.513	-0.1298762	-0.250549	-0.0003								
72 7 1172358		177.64	21.183	31.076	-0.2380346	-0.209353									
72 7 1172428	-0.3175	177.28	20.703	29.648	-0.3180287	-0.134592	0.0005								
72 7 1172528	-0.3565	176.44	19.707	26.818	-0.3559670	0.063110	-0.0005								
72 7 1172558		175.97	19.193	25.416	-0.2990454	0.186082									
72 7 1172628	-0.1860	175.46	18.668	24.021	-0.1865686	0.293423	0.0006								
72 7 1172658		174.92	18.132	22.635	-0.0353549	0.353604									
72 7 1172728	0.1330	174.34	17.586	21.256	0.1337116	0.373379	-0.0007								
72 7 1172828	0.4615	173.07	16.465	18.521	0.4605806	0.312240	0.0009								
72 7 1172858		172.38	15.891	17.164	0.5873731	0.231294									
72 7 1172928	0.6704	171.67	15.308	15.813	0.6713615	0.132148	-0.0010								
72 7 1172958		170.91	14.717	14.469	0.7089234	0.030045									
72 7 1173028	0.7015	170.12	14.117	13.132	0.7008693	-0.060684	0.0006								
72 7 1173128	0.5885	168.45	12.895	10.474	0.5885838	-0.165479	-0.0001								
72 7 1173158		167.56	12.273	9.153	0.5079398	-0.179521									
72 7 1173228	0.4259	166.65	11.644	7.838	0.4262660	-0.171179	-0.0004								
72 7 1173258		165.70	11.008	6.527	0.3528380	-0.143634									
72 7 1173328	0.2952	164.72	10.367	5.220	0.2944441	-0.110833	0.0008								
72 7 1173428	0.2119	162.68	9.066	2.618	0.2130716	-0.071193	-0.0012								
72 7 1173458		161.61	8.407	1.322	0.1821059	-0.064362									
72 7 1173528	0.1552	160.52	7.744	0.030	0.1540226	-0.055055	0.0012								
72 7 1173558		159.40	7.076	-1.261	0.1333703	-0.032116									
72 7 1173628	0.1250	158.25	6.404	-2.549	0.1252349	-0.003514	-0.0002								
72 7 1173728	0.1447	155.88	5.047	-5.120	0.1459553	0.046877	-0.0013								
72 7 1173758		154.65	4.364	-6.404	0.1727211	0.068664									
72 7 1173828	0.2086	153.41	3.678	-7.687	0.2065601	0.072292	0.0020								
72 7 1173858		152.13	2.988	-8.970	0.2342314	0.041875									
72 7 1173928	0.2411	150.84	2.297	-10.253	0.2425632	-0.005887	-0.0015								
72 7 1174028	0.1925	148.20	0.908	-12.821	0.1922809	-0.103479	0.0002								
72 7 1174058		146.84	0.211	-14.106	0.1330152	-0.153311									
72 7 1174128	0.0524	145.47	-0.487	-15.394	0.0519212	-0.195382	0.0005								
72 7 1174158		144.08	-1.186	-16.683	-0.0449132	-0.221308									
72 7 1174228	-0.1504	142.67	-1.885	-17.976	-0.1502642	-0.233207	-0.0001								
72 7 1174328	-0.3645	139.81	-3.284	-20.569	-0.3638012	-0.221400	-0.0007								
72 7 1174358		138.35	-3.983	-21.872	-0.4610230	-0.197682									
72 7 1174428	-0.5424	136.88	-4.680	-23.178	-0.5434853	-0.155427	0.0011								
72 7 1174458		135.40	-5.376	-24.490	-0.6006418	-0.087906									


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72 7 1125531 0.4708 146.97 24.073 100.550 0.4708327 -0.059500 0.0000
72 7 11256 1 148.30 24.465 99.005 0.4425508 -0.064672
72 7 1125631 0.4101 149.61 24.842 97.453 0.4099522 -0.077409 0.0001
72 7 1125731 0.3207 152.15 25.544 94.327 0.3210210 -0.118740 -0.0003
72 7 11258 1 153.39 25.870 92.754 0.2598121 -0.147330
72 7 1125831 0.1858 154.61 26.179 91.174 0.1852843 -0.173943 0.0005
72 7 11259 1 155.81 26.470 89.589 0.1006269 -0.191296
72 7 1125931 0.0092 156.98 26.743 87.997 0.0100348 -0.199638 -0.0008
72 7 113 031 -0.1713 159.24 27.235 84.799 -0.1725478 -0.189985 0.0012
72 7 113 1 1 160.33 27.453 83.192 -0.2564348 -0.171995
72 7 113 131 -0.3313 161.40 27.653 81.581 -0.3300297 -0.145362 -0.0013
72 7 113 2 1 162.44 27.834 79.967 -0.3893518 -0.110237

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72 7 113 231	-0.4305	163.45	27.996	78.349	-0.4308867	-0.069093	0.0004	72 7 1134231	-0.3553	134.61	-6.206	-36.356	-0.3574797	0.136749	0.0022
72 7 113 331	-0.4519	165.38	28.263	75.105	-0.4529090	0.023743	0.0010	72 7 11343 1		133.13	-6.898	-37.677	-0.3002539	0.109582	
72 7 113 4 1		166.30	28.368	73.479	-0.4301532	0.075433		72 7 1134331	-0.2610	131.65	-7.588	-39.003	-0.2571970	0.076576	-0.0038
72 7 113 431	-0.3876	167.19	28.454	71.853	-0.3859409	0.109658	-0.0017	72 7 11344 1		130.16	-8.275	-40.337	-0.2298582	0.041528	
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72 7 1155153		94.14	-22.735	-87.954	-0.5004802	0.025114
72 7 1155223	-0.4361	92.75	-23.206	-89.558	-0.4488916	0.162550
72 7 1155253		91.37	-23.662	-91.175	-0.3835197	0.084665
72 7 1155323	-0.3925	90.01	-24.102	-92.805	-0.3818543	-0.065747
72 7 1155423	-0.5010	87.35	-24.931	-96.107	-0.5058202	-0.155935
72 7 1155523	-0.5843	84.79	-25.688	-99.460	-0.5833440	0.034846

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ERAD = 379509.7,
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ELON = -5.450256, 2*0.0000000E+00,
KOTR = 8.9400001E-03,
DIFIT = 0.2000000,
CONFAC = 1.083000
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YMDHMS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 7 11837 0	0.5595	118.56	13.239	103.495	0.5594962	0.063116	0.0000
72 7 11838 0	0.5722	121.49	14.535	100.395	0.5723007	-0.031513	-0.0001
72 7 11839 0		122.96	15.170	99.286	0.5486076	-0.070133	
72 7 11839 0	0.5092	124.42	15.795	97.871	0.5087449	-0.100976	0.0005
72 7 11840 0	0.3965	127.32	17.013	95.021	0.3974851	-0.133535	-0.0010
72 7 11840 0		128.77	17.607	93.586	0.3350516	-0.135241	
72 7 11840 0	0.2737	130.21	18.189	92.144	0.2721820	-0.139722	0.0015
72 7 11841 0		131.64	18.759	90.694	0.2036840	-0.159486	
72 7 11842 0	0.1218	133.06	19.318	89.237	0.1240601	-0.184853	-0.0023
72 7 11843 0	-0.0625	135.87	20.397	86.300	-0.0656840	-0.223429	0.0032
72 7 11843 0		137.26	20.917	84.819	-0.1720673	-0.236635	
72 7 11844 0	-0.2858	138.63	21.424	83.331	-0.2826435	-0.239844	-0.0032
72 7 11844 0		139.99	21.917	81.835	-0.3910763	-0.227116	
72 7 11845 0	-0.4888	141.34	22.395	80.330	-0.4896993	-0.197121	0.0009
72 7 11846 0	-0.6213	143.99	23.308	77.298	-0.6239528	-0.081257	0.0027
72 7 11846 0		145.29	23.742	75.769	-0.6423628	0.004630	
72 7 11847 0	-0.6256	146.57	24.160	74.233	-0.6210524	0.081670	-0.0045
72 7 11847 0		147.83	24.562	72.689	-0.5725169	0.122490	
72 7 11848 0	-0.5091	149.08	24.948	71.137	-0.5123649	0.134646	0.0033
72 7 11849 0	-0.3999	151.50	25.670	68.011	-0.3994803	0.095831	-0.0004
72 7 11849 0		152.68	26.006	66.438	-0.3661899	0.044839	
72 7 11850 0	-0.3576	153.84	26.324	64.857	-0.3560838	0.006754	-0.0015
72 7 11850 0		154.98	26.624	63.270	-0.3527495	0.015496	
72 7 11851 0	-0.3366	156.09	26.907	61.677	-0.3385943	0.044932	0.0020
72 7 11852 0	-0.2777	158.24	27.417	58.474	-0.2757814	0.087492	-0.0019
72 7 11852 0		159.27	27.644	56.864	-0.2321394	0.100611	
72 7 11853 0	-0.1818	160.28	27.853	55.250	-0.1834282	0.110185	0.0016
72 7 11853 0		161.26	28.042	53.632	-0.1306490	0.118126	
72 7 11854 0	-0.0757	162.22	28.213	52.010	-0.0749232	0.122383	-0.0008
72 7 11855 0	0.0354	164.04	28.496	48.756	-0.0358444	0.113722	-0.0004
72 7 11855 0		164.91	28.609	47.125	0.0855967	0.100798	
72 7 11856 0	0.1294	165.75	28.702	45.493	0.1282981	0.083836	0.0011
72 7 11856 0		166.55	28.775	43.860	0.1262404	0.064504	
72 7 11857 0	0.1857	167.33	28.829	42.226	0.1863918	0.035617	-0.0007
72 7 11858 0	0.1743	168.79	28.878	38.958	0.1745294	-0.072495	-0.0002
72 7 11858 0		169.47	28.873	37.325	0.1234011	-0.151736	
72 7 11859 0	0.0353	170.12	28.849	35.694	0.0346488	-0.229352	0.0006
72 7 11859 0		170.74	28.805	34.065	-0.0853167	-0.287040	
72 7 119 0 0	-0.2253	171.32	28.741	32.439	-0.2254292	-0.312754	0.0001
72 7 119 1 0	-0.4921	172.39	28.557	29.197	-0.4906219	-0.232352	-0.0015
72 7 119 1 0		172.87	28.436	27.582	-0.5751009	-0.126193	
72 7 119 2 0	-0.5992	173.32	28.297	25.972	-0.6016306	0.015911	0.0024
72 7 119 2 0		173.73	28.138	24.367	-0.5560562	0.186147	
72 7 119 3 0	-0.4331	174.11	27.962	22.768	-0.4302995	0.352982	-0.0028
72 7 119 4 0	0.0153	174.76	27.554	19.588	0.0123333	0.582623	0.0030
72 7 119 4 0		175.03	27.323	18.008	0.2972144	0.645394	
72 7 119 5 0	0.5977	175.26	27.075	16.435	0.6004179	0.657216	-0.0027
72 7 119 5 0		175.46	26.809	14.870	0.8937212	0.601864	
72 7 119 6 0	1.1505	175.63	26.527	13.312	1.1490737	0.500410	0.0014
72 7 119 7 0	1.4909	175.85	25.912	10.222	1.4903855	0.222132	0.0005
72 7 119 7 0		175.90	25.580	8.690	1.5536978	0.045284	
72 7 119 8 0	1.5322	175.92	25.233	7.166	1.5339131	-0.120603	-0.0017
72 7 119 8 0		175.90	24.870	5.651	1.4489199	-0.239680	
72 7 119 9 0	1.3193	175.85	24.492	4.145	1.3176725	-0.325904	0.0016
72 7 119 10 0	0.9563	175.63	23.692	1.160	0.9572766	-0.442233	-0.0010
72 7 119 10 0		175.47	23.271	-0.318	0.7453883	-0.472321	
72 7 119 11 0	0.5251	175.27	22.836	-1.788	0.5246663	-0.479603	0.0004
72 7 119 11 0		175.04	22.387	-3.248	0.3066790	-0.460006	
72 7 119 12 0	0.1025	174.77	21.926	-4.699	0.1024726	-0.423757	0.0000
72 7 119 13 0	-0.2489	174.12	20.965	-7.574	-0.2483804	-0.331889	-0.0005
72 7 119 13 0		173.75	20.466	-8.999	-0.3890494	-0.276264	
72 7 119 14 0	-0.5016	173.34	19.956	-10.414	-0.5022450	-0.212608	0.0006
72 7 119 14 0		172.89	19.434	-11.821	-0.5838597	-0.139248	
72 7 119 15 0	-0.6312	172.41	18.902	-13.220	-0.6312287	-0.068462	0.0000

72 7 11916 0	-0.6461	171.35	17.805	-15.993	-0.6449576	0.028890	-0.0011
72 7 11916 0		170.77	17.242	-17.367	-0.6249178	0.055441	
72 7 11917 0	-0.5942	170.15	16.669	-18.734	-0.5958698	0.068336	0.0017
72 7 11917 0		169.50	16.086	-20.094	-0.5637481	0.068691	
72 7 11918 0	-0.5343	168.82	15.495	-21.447	-0.5332839	0.063581	-0.0010
72 7 11919 0	-0.4778	167.37	14.288	-24.132	-0.4775582	0.058196	-0.0002
72 7 11919 0		166.59	13.672	-25.465	-0.4508088	0.057923	
72 7 11920 0	-0.4230	165.79	13.049	-26.793	-0.4239733	0.058307	0.0010
72 7 11920 0		164.95	12.418	-28.115	-0.3970166	0.058391	
72 7 11921 0	-0.3710	164.08	11.781	-29.431	-0.3702706	0.057089	-0.0007
72 7 11922 0	-0.3214	162.26	10.486	-32.050	-0.3214274	0.047055	0.0000
72 7 11922 0		161.31	9.830	-33.353	-0.3016188	0.038322	
72 7 11923 0	-0.2858	160.33	9.166	-34.652	-0.2863168	0.027796	0.0005
72 7 11923 0		159.32	8.501	-35.948	-0.2761275	0.016147	
72 7 11924 0	-0.2715	158.29	7.829	-37.240	-0.2706244	0.009576	-0.0009
72 7 11925 0	-0.2545	156.14	6.471	-39.818	-0.2557113	0.030239	0.0012
72 7 11925 0		155.03	5.786	-41.103	-0.2358904	0.057483	
72 7 11926 0	-0.2045	153.90	5.097	-42.387	-0.2031188	0.081602	-0.0014
72 7 11926 0		152.74	4.405	-43.669	-0.1632328	0.088224	
72 7 11927 0	-0.1225	151.56	3.710	-44.951	-0.1237402	0.081305	0.0012
72 7 11928 0	-0.0663	149.14	2.312	-47.514	-0.0653697	0.038742	-0.0009
72 7 11928 0		147.89	1.610	-48.796	-0.0553425	0.003088	
72 7 11929 0	-0.0596	146.63	0.906	-50.079	-0.0600040	-0.016262	0.0004
72 7 11929 0		145.35	0.200	-51.363	-0.0638691	0.006554	
72 7 11930 0	-0.0508	144.05	-0.506	-52.648	-0.0516243	0.044533	0.0008
72 7 11931 0	0.0093	141.41	-1.921	-55.226	-0.0118370	0.085041	-0.0025
72 7 11931 0		140.06	-2.629	-56.519	-0.0521445	0.087557	
72 7 11932 0	0.0936	138.70	-3.336	-57.815	-0.0902418	0.074200	0.0034
72 7 11932 0		137.32	-4.043	-59.115	-0.1175856	0.040901	
72 7 11933 0	0.1268	135.94	-4.748	-60.419	-0.1292103	0.015378	-0.0024
72 7 11934 0	0.1586	133.13	-6.155	-63.042	-0.1580383	0.070708	0.0006
72 7 11934 0		131.70	-6.856	-64.361	-0.2080020	0.151596	
72 7 11935 0	0.2967	130.28	-7.553	-65.686	-0.2961702	0.220574	0.0005
72 7 11935 0		128.84	-8.248	-67.018	-0.4025647	0.230337	
72 7 11936 0	0.5043	127.39	-8.940	-68.356	-0.5045334	0.212010	-0.0002
72 7 11937 0	0.6860	124.49	-10.312	-71.054	-0.6866744	0.184553	-0.0007
72 7 11937 0		123.02	-10.991	-72.415	-0.7696738	0.175425	
72 7 11938 0	0.8462	121.56	-11.665	-73.784	-0.8455602	0.146176	0.0006
72 7 11938 0		120.10	-12.334	-75.162	-0.8979654	0.073561	
72 7 11939 0	0.9101	118.63	-12.997	-76.549	-0.9084501	-0.031851	0.0016
72 7 11940 0	0.7524	115.70	-14.303	-79.353	-0.7576221	-0.309734	-0.0052
72 7 11940 0		114.23	-14.946	-80.770	-0.5756214	-0.482226	
72 7 11941 0	0.3312	112.77	-15.581	-82.197	-0.3247327	-0.574432	0.0065
72 7 11941 0		111.31	-16.207	-83.636	-0.0733489	-0.483810	
72 7 11942 0	-0.1113	109.86	-16.825	-85.086	-0.1085827	-0.305858	-0.0027
72 7 11943 0	-0.2391	106.98	-18.033	-88.022	-0.2353549	0.025878	-0.0037
72 7 11943 0		105.54	-18.621	-89.508	-0.1875869	0.179654	
72 7 11944 0	-0.0802	104.12	-19.199	-91.006	-0.0877261	0.214917	0.0075
72 7 11944 0		102.70	-19.766	-92.517	-0.0243854	0.021239	
72 7 11945 0	-0.0838	101.31	-20.321	-94.041	-0.0773982	-0.233024	-0.0064
72 7 11946 0	-0.4085	98.54	-21.392	-97.129	-0.4115045	-0.418922	0.0030
72 7 11946 0		97.17	-21.908	-98.694	-0.5932925	-0.350451	
72 7 11947 0	-0.7191	95.83	-22.410	-100.271	-0.7184347	-0.173587	-0.0007
72 7 11948 0	-0.5976	93.18	-23.369	-103.466	-0.5976246	0.508137	0.0000

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 ROTR = 8.9400001E-03,
 DIFIT = 0.2000000
 CONEAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 7 2202940	0.8565	109.52	8.775	95.999	0.8564993	-0.044055	0.0000
72 7 2203040	0.7755	112.20	10.176	97.262	0.7755195	-0.128474	0.0000
72 7 2203110		113.55	10.867	95.888	0.7077886	-0.164218	
72 7 2203140	0.6252	114.91	11.551	94.509	0.6251121	-0.192002	0.0001
72 7 2203240	0.4345	117.62	12.896	91.737	0.4346787	-0.212736	-0.0002
72 7 2203310		118.98	13.556	90.343	0.3376430	-0.205687	
72 7 2203340	0.2450	120.34	14.208	88.944	0.2449886	-0.197122	0.0000
72 7 2203410		121.70	14.850	87.539	0.1543079	-0.197137	
72 7 2203440	0.0630	123.06	15.483	86.127	0.0621757	-0.202249	0.0008
72 7 2203540	-0.1331	125.76	16.720	83.284	-0.1310352	-0.217323	-0.0021
72 7 2203610		127.10	17.322	81.852	-0.2336063	-0.227284	
72 7 2203640	-0.3361	128.44	17.913	80.413	-0.3386310	-0.222497	0.0025
72 7 2203710		129.77	18.493	78.967	-0.4342637	-0.186598	
72 7 2203740	-0.5094	131.09	19.061	77.512	-0.5080418	-0.131942	-0.0014
72 7 2203840	-0.5732	133.71	20.161	74.580	-0.5725092	-0.003427	-0.0007
72 7 2203910		135.01	20.691	73.102	-0.5572883	0.070431	
72 7 2203940	-0.5118	136.29	21.208	71.616	-0.5135689	0.104697	0.0018
72 7 2204010		137.56	21.712	70.122	-0.4737864	0.053377	
72 7 2204040	-0.4692	138.82	22.201	68.619	-0.4682404	-0.023659	-0.0010
72 7 2204140	-0.5252	141.30	23.136	65.589	-0.5244245	-0.075266	-0.0008
72 7 2204210		142.52	23.581	64.061	-0.5546172	-0.049837	
72 7 2204240	-0.5647	143.72	24.011	62.525	-0.5664107	0.001786	0.0017
72 7 2204310		144.90	24.425	60.982	-0.5501624	0.071641	
72 7 2204340	-0.5017	146.07	24.822	59.430	-0.5006109	0.139219	-0.0011
72 7 2204440	-0.3345	148.35	25.567	56.302	-0.3342068	0.206023	-0.0003
72 7 2204510		149.46	25.915	54.728	-0.2383924	0.205248	
72 7 2204540	-0.1454	150.55	26.244	53.145	-0.1465320	0.192496	0.0011
72 7 2204610		151.62	26.556	51.556	-0.0608288	0.178575	
72 7 2204640	0.0173	152.67	26.851	49.961	0.0182840	0.164177	-0.0010
72 7 2204740	0.1572	154.69	27.384	46.751	0.1568121	0.136017	0.0004
72 7 2204810		155.67	27.623	45.138	0.2164239	0.122257	
72 7 2204840	0.2686	156.63	27.843	43.519	0.2685069	0.100749	0.0001
72 7 2204910		157.56	28.044	41.896	0.3070344	0.063534	
72 7 2204940	0.3245	158.46	28.226	40.269	0.3249620	0.011958	-0.0005
72 7 2205040	0.2752	160.19	28.531	37.004	0.2743584	-0.130243	0.0008
72 7 2205110		161.02	28.655	35.367	0.1938083	-0.220869	
72 7 2205140	0.0723	161.82	28.758	33.728	0.0733659	-0.292330	-0.0011
72 7 2205210		162.59	28.842	32.087	-0.0682165	-0.312447	
72 7 2205240	-0.2070	163.33	28.906	30.445	-0.2080225	-0.286343	0.0010
72 7 2205340	-0.4049	164.73	28.975	27.161	-0.4040449	-0.110843	-0.0009
72 7 2205410		165.38	28.980	25.520	-0.4223139	0.038552	
72 7 2205440	-0.3656	166.01	28.964	23.880	-0.3662712	0.202090	0.0007
72 7 2205510		166.60	28.929	22.242	-0.2376839	0.352815	
72 7 2205540	-0.0452	167.16	28.875	20.606	-0.0448153	0.475472	-0.0004
72 7 2205640	0.4608	168.20	28.707	17.344	0.4608018	0.590812	0.0000
72 7 2205710		168.67	28.594	15.719	0.7335463	0.583496	
72 7 2205740	0.9914	169.11	28.462	14.098	0.9909124	0.519862	0.0005
72 7 2205810		169.51	28.310	12.482	1.2028999	0.386916	
72 7 2205840	1.3419	169.89	28.141	10.872	1.3432941	0.222250	-0.0014
72 7 2205940	1.4054	170.53	27.745	7.670	1.4027886	-0.089471	0.0026
72 7 221 010		170.81	27.520	6.079	1.3273097	-0.236526	
72 7 221 040	1.1856	171.05	27.277	4.495	1.1886560	-0.355861	-0.0031
72 7 221 110		171.26	27.017	2.919	1.0063493	-0.425630	

72 7 221 140	0.8028	171.43	26.739	1.350	0.8009346	-0.461033	0.0019
72 7 221 240	0.3634	171.68	26.133	-1.763	0.3631898	-0.474347	0.0002
72 7 221 310		171.76	25.805	-3.306	0.1485550	-0.452257	
72 7 221 340	-0.0530	171.80	25.461	-4.841	-0.0515148	-0.411374	-0.0015
72 7 221 410		171.81	25.102	-6.367	-0.2284563	-0.352066	
72 7 221 440	-0.3738	171.78	24.726	-7.883	-0.3751472	-0.283326	0.0013
72 7 221 540	-0.5734	171.63	23.931	-10.889	-0.5728169	-0.144535	-0.0006
72 7 221 610		171.50	23.512	-12.378	-0.6233916	-0.074482	
72 7 221 640	-0.6421	171.34	23.078	-13.857	-0.6421294	-0.007929	0.0000
72 7 221 710		171.14	22.631	-15.327	-0.6318575	0.051188	
72 7 221 740	-0.5966	170.91	22.171	-16.788	-0.5968034	0.097707	0.0002
72 7 221 840	-0.4831	170.36	21.211	-19.682	-0.4827619	0.137467	-0.0003
72 7 221 910		170.03	20.713	-21.115	-0.4201728	0.130709	
72 7 221 940	-0.3625	169.67	20.203	-22.539	-0.3629453	0.118265	0.0004
72 7 2211010		169.28	19.681	-23.955	-0.3099885	0.112209	
72 7 2211040	-0.2596	168.85	19.148	-25.362	-0.2590564	0.107969	-0.0005
72 7 2211140	-0.1656	167.91	18.050	-28.150	-0.1662448	0.091223	0.0006
72 7 2211210		167.39	17.486	-29.532	-0.1269099	0.078716	
72 7 2211240	-0.0946	166.84	16.912	-30.906	-0.0941028	0.062690	-0.0005
72 7 2211310		166.25	16.329	-32.273	-0.0696837	0.042380	
72 7 2211340	-0.0556	165.64	15.736	-33.632	-0.0553127	0.019850	-0.0003
72 7 2211440	-0.0565	164.33	14.525	-36.330	-0.0579551	-0.025677	0.0015
72 7 2211510		163.62	13.908	-37.669	-0.0751122	-0.048673	
72 7 2211540	-0.1039	162.90	13.282	-39.001	-0.1020226	-0.065980	-0.0019
72 7 2211610		162.14	12.650	-40.329	-0.1342601	-0.071750	
72 7 2211640	-0.1659	161.35	12.010	-41.650	-0.1666112	-0.066715	0.0007
72 7 2211740	-0.2114	159.70	10.711	-44.278	-0.2127104	-0.026419	0.0013
72 7 2211810		158.82	10.052	-45.585	-0.2171551	0.008843	
72 7 2211840	-0.2073	157.93	9.388	-46.888	-0.2048907	0.041858	-0.0024
72 7 2211910		157.01	8.718	-48.187	-0.1807470	0.060304	
72 7 2211940	-0.1491	156.07	8.043	-49.483	-0.1508425	0.068130	0.0017
72 7 2212040	-0.0881	154.11	6.680	-52.066	-0.0878942	0.063768	-0.0002
72 7 2212110		153.09	5.992	-53.354	-0.0610104	0.051581	
72 7 2212140	-0.0401	152.05	5.301	-54.640	-0.0390681	0.047182	-0.0010
72 7 2212210		150.99	4.605	-55.925	-0.0140203	0.065033	
72 7 2212240	0.0231	149.91	3.907	-57.208	0.0210976	0.083642	0.0020
72 7 2212340	0.0902	147.69	2.503	-59.774	0.0931751	0.058655	-0.0030
72 7 2212410		146.54	1.798	-61.057	0.1109889	0.015059	
72 7 2212440	0.1117	145.39	1.091	-62.340	0.1090288	-0.015873	0.0027
72 7 2212510		144.21	0.382	-63.625	0.1034205	-0.000744	
72 7 2212540	0.1126	143.02	-0.328	-64.911	0.1118876	0.037428	0.0007
72 7 2212640	0.1758	140.58	-1.749	-67.488	0.1817199	0.113845	-0.0059
72 7 2212710		139.34	-2.460	-68.781	0.2431078	0.152091	
72 7 2212740	0.3292	138.09	-3.170	-70.076	0.3206740	0.180715	0.0085
72 7 2212810		136.82	-3.880	-71.376	0.4070077	0.190072	
72 7 2212840	0.4880	135.54	-4.589	-72.678	0.4940103	0.185338	-0.0060
72 7 2212940	0.6521	132.95	-6.002	-75.298	0.6511722	0.149133	0.0009
72 7 2213010		131.63	-6.706	-76.616	0.7131016	0.117660	
72 7 2213040	0.7567	130.32	-7.407	-77.939	0.7547807	0.053474	0.0019
72 7 2213110		128.98	-8.105	-79.268	0.7537801	-0.067228	
72 7 2213140	0.6898	127.65	-8.800	-80.604	0.6903161	-0.203452	-0.0005
72 7 2213240	0.4012	124.97	-10.178	-83.296	0.4041110	-0.399487	-0.0029
72 7 2213310		123.61	-10.861	-84.654	0.2048891	-0.459297	
72 7 2213340	-0.0050	122.26	-11.538	-86.019	-0.0098539	-0.453269	0.0049
72 7 2213410		120.90	-12.211	-87.394	-0.1972976	-0.341037	
72 7 2213440	-0.3239	119.55	-12.877	-88.777	-0.3199205	-0.197397	-0.0040
72 7 2213540	-0.4145	116.83	-14.190	-91.572	-0.4163006	-0.040289	0.0018
72 7 2213640	-0.4481	114.12	-15.475	-94.408	-0.4477429	-0.056742	-0.0004

#INPUTS
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 EPOCH = 720702122, 5300657,
 JPOCH = 72, 7, 2, 22, 53,
 STATE = 0, 1858.001, 2.4477100E-02, 2.635625, 1.805667
 5.188694, 2.815284


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ICoord = 1,
TSTATE = 1665.079, 106.3621, 910.9656, 0.1746369
-1.573889, -0.1088366
LONEP = 999.0000
DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780
ERAD = 375612.3
ELAT = -5.915843, 2*0.0000000E+00,
ELON = 355.0550, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DTFIT = 0.2000000
CONFAC = 1.083000
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EPOCH DATE RESIDUAL ALTITUDE LATITUDE LONGITUDE FIT DATA FIT ACCEL RES/FIT
YYMMDDHHMMSS Hz Km Deg Deg Hz mm/s**2 Hz
72 7 2222416 0.7266 108.54 6.759 91.362 0.7266140 -0.308190 0.0000
72 7 2222516 0.4952 110.88 8.190 88.650 0.4948221 -0.213807 0.0004
72 7 2222546 0.2962 112.05 8.897 87.289 0.3977774 -0.211474 0.0017
72 7 2222716 0.0999 115.61 10.982 83.185 0.0962648 -0.211248 0.0036
72 7 2222746 -0.0869 116.80 11.664 81.808 0.0023140 -0.194236 0.0043
72 7 2222816 -0.2240 117.99 12.338 80.426 -0.0826096 -0.174116 -0.0043
72 7 2222846 -0.3166 119.19 13.005 79.039 -0.1587981 -0.156225 0.0022
72 7 2222916 -0.3166 120.38 13.663 77.646 -0.2262094 -0.134078 0.0014
72 7 2223016 -0.3166 122.76 14.953 74.843 -0.3179577 -0.057469 0.0014
72 7 2223046 -0.3315 123.95 15.585 73.431 -0.3323334 -0.002996 0.0034
72 7 2223116 -0.4190 125.13 16.206 72.013 -0.3281446 -0.097544 0.0024
72 7 2223146 -0.6659 126.31 16.818 70.588 -0.3457806 -0.266683 0.0000
72 7 2223216 -0.6659 127.49 17.418 69.155 -0.4214027 -0.192455 0.0015
72 7 2223316 -0.8372 129.82 18.587 66.267 -0.6658588 -0.192357 0.0015
72 7 2223346 -0.8372 130.97 19.153 64.811 -0.7743656 -0.067495 -0.0015
72 7 2223416 -0.7486 132.12 19.708 63.347 -0.8357125 -0.093253 0.0016
72 7 2223446 -0.4210 133.26 20.250 61.875 -0.8311442 0.250425 0.0011
72 7 2223516 -0.4210 134.39 20.779 60.394 -0.7501820 0.436360 -0.0011
72 7 2223616 0.0024 136.61 21.797 57.408 -0.4199232 0.465080 0.0006
72 7 2223716 0.0024 137.70 22.285 55.902 -0.2101345 0.443408 0.0003
72 7 2223746 0.3346 138.79 22.758 54.387 0.0017580 0.363759 -0.0003
72 7 2223816 0.5129 139.85 23.217 52.864 0.1903616 0.265892 -0.0002
72 7 2223916 0.6080 140.91 23.660 51.332 0.3348505 0.134451 -0.0003
72 7 2223946 0.6080 142.97 24.500 48.243 0.5130795 0.100897 0.0003
72 7 2224016 0.6517 143.98 24.896 46.686 0.5665946 0.076620 0.0001
72 7 2224046 0.6042 144.98 25.276 45.120 0.6076752 0.049402 0.0001
72 7 2224116 0.6042 145.95 25.638 43.547 0.6368859 0.010958 0.0001
72 7 2224216 0.6517 146.91 25.983 41.966 0.6515679 0.124614 -0.0009
72 7 2224246 0.6042 147.77 26.621 38.783 0.6051150 -0.221762 0.0013
72 7 2224316 0.4021 149.66 26.913 37.180 0.5258911 -0.316289 0.0013
72 7 2224346 0.0491 150.55 27.186 35.571 0.4007675 -0.386139 -0.0010
72 7 2224416 -0.3079 151.40 27.441 32.336 0.0501448 -0.417555 -0.0004
72 7 2224516 -0.3079 152.24 27.678 29.079 -0.3082981 -0.324094 0.0004
72 7 2224546 -0.4868 153.85 28.093 27.444 -0.4311228 -0.199164 0.0003
72 7 2224616 -0.3688 154.62 28.271 25.805 -0.4871134 -0.041047 0.0014
72 7 2224646 -0.0164 155.37 28.430 24.162 -0.4667715 0.131548 -0.0014
72 7 2224716 0.0164 156.09 28.570 22.517 -0.3673666 0.293141 0.0029
72 7 2224816 0.0164 158.12 28.869 19.220 0.0135095 0.507670 0.0029
72 7 2224846 0.518 158.74 28.928 17.570 0.2615583 0.560570 -0.0034
72 7 2224916 0.9398 159.34 28.968 15.919 0.5217316 0.552503 0.0020
72 7 2224946 0.9398 159.91 28.988 14.269 0.7585217 0.458735 0.0004
72 7 2225016 1.0838 160.46 28.987 12.619 0.9377555 0.315755 0.0004
72 7 2225116 0.9094 161.48 28.926 9.323 1.0834174 -0.190420 -0.0019
72 7 2225146 0.5078 161.94 28.866 6.037 0.9112673 -0.348310 -0.0019
72 7 2225216 0.5078 162.38 28.786 4.399 0.7255167 -0.446139 0.0017
72 7 2225246 0.5078 162.79 28.686 2.765 0.5061160 -0.499876 0.0017
72 7 2225316 0.5078 163.17 28.567 2.765 0.5061160 -0.499876 0.0017

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72 7 2225416 0.0243 163.85 28.270 -0.488 0.0250556 -0.523449 -0.0008
72 7 2225446 0.0243 164.14 28.093 -2.107 -0.2107758 -0.493258 0.0000
72 7 2225516 -0.4265 164.41 27.898 -3.719 -0.4265220 -0.437827 0.0000
72 7 2225546 -0.7564 164.64 27.684 -5.325 -0.6115633 -0.359818 0.0005
72 7 2225616 -0.9212 164.85 27.451 -6.924 -0.7568905 -0.265553 0.0010
72 7 2225716 -0.9073 165.18 26.933 -10.100 -0.9202144 -0.082813 -0.0010
72 7 2225746 -0.9073 165.30 26.647 -11.676 -0.9362805 0.013653 0.0012
72 7 2225816 -0.9073 165.39 26.344 -13.244 -0.9084727 0.104823 0.0012
72 7 2225846 -0.7425 165.45 26.025 -14.804 -0.8413813 0.183676 0.0007
72 7 2225916 -0.4883 165.48 25.689 -16.354 -0.7417733 0.243753 -0.0007
72 7 223 016 -0.4883 165.45 24.968 -19.428 -0.4882315 0.288698 -0.0001
72 7 223 046 -0.2374 165.39 24.584 -20.952 -0.3574460 0.273544 0.0008
72 7 223 116 -0.2374 165.30 24.185 -22.466 -0.2381688 0.242010 0.0008
72 7 223 146 -0.0526 165.03 23.772 -23.971 -0.1351752 0.202762 0.0015
72 7 223 216 -0.0702 164.65 22.445 -25.466 -0.0510954 0.162504 -0.0015
72 7 223 316 -0.1355 164.41 21.976 -28.428 0.0678455 0.098881 0.0024
72 7 223 346 -0.1355 164.15 21.494 -29.895 0.1078977 0.075523 -0.0024
72 7 223 416 -0.1692 163.85 20.999 -31.352 0.1379476 0.054531 0.0008
72 7 223 516 -0.1692 163.53 20.491 -32.800 0.1581019 0.032601 0.0018
72 7 223 616 -0.1692 162.80 19.442 -34.239 0.1683802 0.012794 0.0018
72 7 223 646 -0.1505 162.38 18.900 -37.089 0.1674496 -0.011374 0.0022
72 7 223 716 -0.1505 162.38 18.347 -38.502 0.1609330 -0.015729 -0.0022
72 7 223 746 -0.1187 161.95 17.784 -39.905 0.1527134 -0.021467 -0.0022
72 7 223 816 -0.0941 161.48 17.211 -41.301 0.1399490 -0.035136 -0.0021
72 7 223 846 -0.0941 160.99 16.037 -42.688 0.1207935 -0.045418 -0.0021
72 7 223 916 -0.0941 159.93 15.436 -45.438 0.0851874 -0.021909 0.0089
72 7 223 946 -0.0867 159.35 14.826 -46.803 0.0823099 0.011897 -0.0085
72 7 2231016 -0.1196 158.76 14.208 -48.160 0.0951616 0.039169 -0.0093
72 7 2231046 -0.1196 158.12 13.583 -49.511 0.1142104 0.038705 -0.0093
72 7 2231116 -0.1774 157.48 12.309 -50.854 0.1288507 0.024913 -0.0371
72 7 2231216 -0.1774 156.11 11.661 -53.524 0.1402864 0.000581 0.0540
72 7 2231246 -0.0781 155.38 11.007 -54.851 0.1380794 -0.009958 -0.0540
72 7 2231316 -0.1762 154.64 10.347 -56.172 0.1320625 0.014195 -0.0691
72 7 2231346 -0.1762 153.86 9.681 -57.489 0.1267443 -0.006918 0.0513
72 7 2231416 -0.0593 153.07 8.333 -58.800 0.1248890 -0.004739 0.0398
72 7 2231516 -0.0593 151.42 7.652 -61.413 0.0991331 -0.065525 -0.1285
72 7 2231546 -0.0137 150.55 6.966 -62.714 0.0551671 -0.128510 0.0299
72 7 2231616 -0.1686 149.68 6.276 -64.011 -0.0162428 -0.170208 0.0299
72 7 2231646 -0.1686 148.77 5.582 -65.307 -0.0921088 -0.147648 0.0205
72 7 2231716 -0.1855 147.86 4.184 -66.600 -0.1480902 -0.095900 0.0097
72 7 2231816 -0.1722 145.97 3.481 -69.181 -0.1951640 -0.009972 0.0242
72 7 2231846 -0.1722 144.98 2.775 -70.471 -0.1916526 0.024202 0.0006
72 7 2231916 -0.0598 144.00 2.067 -71.759 -0.1715835 0.066425 -0.0079
72 7 2231946 -0.0598 142.98 1.357 -73.047 -0.1269189 0.130684 -0.0079
72 7 2232016 -0.0598 141.97 0.066 -74.335 -0.0519084 0.188553 -0.0175
72 7 2232116 0.2559 139.87 -0.066 -76.915 0.1382175 0.200098 0.0175
72 7 2232146 0.2559 138.79 -0.779 -78.207 0.2212550 0.153740 -0.0222
72 7 2232216 0.2559 137.72 -1.493 -79.500 0.2781197 0.093971 -0.0222
72 7 2232246 0.3342 136.62 -2.207 -80.797 0.3092247 0.042057 0.0176
72 7 2232316 0.2336 135.52 -2.920 -82.095 0.3166079 -0.012152 0.0176
72 7 2232416 0.0157 133.28 -4.344 -84.702 0.2418251 -0.158179 -0.0082
72 7 2232446 0.0157 132.13 -5.055 -86.012 0.1480582 -0.250009 0.0018
72 7 2232516 -0.2981 130.99 -5.763 -87.326 0.0138792 -0.323065 0.0018
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5.185916, 2.701771,
ICoord = 1,
TSTATE = 1655.354, 105.7438, 916.3625, 0.1291708,
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LONEP = 999.0000

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 TRANSA = 0.0000000E+00,
 TRANSB = 0.0000000E+00,
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 ELON = -5.127258 , 2*0.0000000E+00,
 ROTR = 8.9400001E-03,
 DTFIT = 0.2000000
 CONFAC = 1.083000
 \$END

EPCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz	
72 7 21417 2	1.3607	100.37	-0.140	96.392	1.3606818	-0.181773	0.0000	
72 7 21418 2	1.0106	102.31	1.343	93.699	1.0110937	-0.501934	-0.0005	
72 7 2141832		103.30	2.083	92.354	0.7763137	-0.456629		
72 7 21419 2	0.5633	104.30	2.820	91.009	0.5610715	-0.435770	0.0022	
72 7 21420 2	0.2111	106.33	4.288	88.318	0.2158292	-0.311450	-0.0047	
72 7 2142032		107.35	5.017	86.971	0.0866391	-0.247989		
72 7 21421 2	-0.0103	108.39	5.743	85.622	-0.0154419	-0.199362	0.0051	
72 7 2142132		109.44	6.465	84.272	-0.1021355	-0.181234		
72 7 21422 2	-0.1859	110.49	7.182	82.919	-0.1850823	-0.178021	-0.0008	
72 7 21423 2	-0.3519	112.60	8.602	80.205	-0.3457549	-0.169539	-0.0061	
72 7 2142332		113.67	9.304	78.843	-0.4228473	-0.164270		
72 7 21424 2	-0.4854	114.74	10.000	77.478	-0.4943353	-0.138850	0.0089	
72 7 2142432		115.82	10.690	76.108	-0.5449528	-0.073791		
72 7 21425 2	-0.5659	116.89	11.373	74.733	-0.5629346	-0.011707	-0.0030	
72 7 21426 2	-0.5731	119.05	12.717	71.968	-0.5654848	-0.024188	-0.0076	
72 7 2142632		120.12	13.377	70.578	-0.5921201	-0.098777		
72 7 21427 2	-0.6470	121.20	14.029	69.181	-0.6596207	-0.192445	0.0126	
72 7 2142732		122.28	14.672	67.778	-0.7686932	-0.278772		
72 7 21428 2	-0.9164	123.35	15.306	66.369	-0.9100593	-0.319851	-0.0063	
72 7 21429 2	-1.1595	125.49	16.545	63.530	-1.1538043	-0.152692	-0.0057	
72 7 2142932		126.55	17.149	62.099	-1.1794214	0.055587		
72 7 21430 2	-1.0871	127.61	17.743	60.661	-1.0992235	0.285122	0.0121	
72 7 2143032		128.66	18.325	59.215	-0.9223614	0.474198		
72 7 21431 2	-0.6772	129.71	18.896	57.760	-0.6695381	0.610264	-0.0077	
72 7 21432 2	-0.0530	131.77	20.001	54.828	-0.0508716	0.686147	-0.0021	
72 7 2143232		132.80	20.535	53.348	0.2545638	0.625930		
72 7 21433 2	0.5272	133.81	21.056	51.861	0.5193111	0.515137	0.0079	
72 7 2143332		134.81	21.563	50.364	0.7247032	0.368551		
72 7 21434 2	0.8538	135.80	22.057	48.859	0.8599775	0.224232	-0.0062	
72 7 21435 2	0.9781	137.75	23.000	45.823	0.9770873	0.056249	0.0010	
72 7 2143532		138.71	23.450	44.292	0.9960523	0.032605		
72 7 21436 2	1.0096	139.65	23.884	42.751	1.0073318	0.009855	0.0023	
72 7 2143632		140.58	24.302	41.203	0.9992284	-0.051367		
72 7 21437 2	0.9542	141.50	24.704	39.646	0.9564030	-0.135360	-0.0022	
72 7 21438 2	0.7469	143.29	25.459	36.507	0.7461906	-0.324701	0.0007	
72 7 2143832		144.15	25.810	34.925	0.5722157	-0.430052		
72 7 21439 2	0.3539	145.01	26.145	33.336	0.3537961	-0.504920	0.0001	
72 7 2143932		145.84	26.462	31.739	0.1164585	-0.511757		
72 7 21440 2	-0.1094	146.66	26.760	30.135	-0.1098645	-0.460905	0.0005	
72 7 21441 2	-0.4392	148.24	27.303	26.907	-0.4374826	-0.217152	-0.0017	
72 7 2144132		149.00	27.546	25.284	-0.4950319	-0.024228		
72 7 21442 2	-0.4564	149.74	27.770	23.655	-0.4590203	0.174215	0.0026	
72 7 2144232		150.47	27.975	22.021	-0.3397229	0.336480		
72 7 21443 2	-0.1579	151.17	28.160	20.383	-0.1548815	0.456228	-0.0030	
72 7 21444 2	0.3277	152.51	28.473	17.094	0.3244542	0.549515	0.0032	
72 7 2144432		153.14	28.599	15.444	0.5739476	0.523032		
72 7 21445 2	0.7945	153.76	28.705	13.792	0.7975222	0.432327	-0.0029	
72 7 2144532		154.35	28.792	12.138	0.9608577	0.261864		
72 7 21446 2	1.0358	154.92	28.858	10.483	1.0345925	0.060602	0.0012	
72 7 21447 2	0.9255	155.99	28.930	7.170	0.9241320	-0.287827	0.0014	
72 7 2144732		156.49	28.936	5.514	0.7565627	-0.434985		
72 7 21448 2	0.5258	156.96	28.922	3.859	0.5286438	-0.542178	-0.0028	
72 7 2144832		157.41	28.887	2.205	0.2654420	-0.587566		

72 7 21449 2	-0.0049	157.84	28.833	0.554	-0.0072020	-0.589494	0.0023
72 7 21450 2	-0.5271	158.61	28.664	-2.740	-0.5262831	-0.518117	-0.0008
72 7 2145032		158.96	28.550	-4.382	-0.7495553	-0.444800	
72 7 21451 2	-0.9336	159.28	28.416	-6.019	-0.9335112	-0.348811	-0.0001
72 7 2145132		159.58	28.264	-7.651	-1.0684968	-0.232490	
72 7 21452 2	-1.1471	159.85	28.092	-9.277	-1.1470349	-0.108645	-0.0001
72 7 21453 2	-1.1379	160.32	27.691	-12.512	-1.1385893	0.123471	0.0007
72 7 2145332		160.51	27.463	-14.120	-1.0563821	0.231740	
72 7 21454 2	-0.9287	160.67	27.216	-15.720	-0.9277359	0.319745	-0.0010
72 7 2145432		160.81	26.952	-17.313	-0.7665638	0.372486	
72 7 21455 2	-0.5882	160.92	26.670	-18.898	-0.5886970	0.393404	0.0005
72 7 21456 2	-0.2363	161.06	26.054	-22.043	-0.2366577	0.350216	0.0004
72 7 2145632		161.09	25.721	-23.602	-0.0886626	0.286095	
72 7 21457 2	0.0254	161.10	25.371	-25.153	0.0262273	0.213594	-0.0008
72 7 2145732		161.07	25.006	-26.694	0.1103321	0.152630	
72 7 21458 2	0.1692	161.02	24.624	-28.226	0.1686385	0.101247	0.0006
72 7 21459 2	0.2229	160.84	23.816	-31.263	0.2228404	0.021207	0.0001
72 7 2145932		160.71	23.389	-32.767	0.2257254	-0.007447	
72 7 215 0 2	0.2170	160.55	22.949	-34.261	0.2174518	-0.026446	-0.0005
72 7 215 032		160.36	22.494	-35.746	0.2031081	-0.033730	
72 7 215 1 2	0.1880	160.15	22.026	-37.221	0.1875584	-0.032884	0.0004
72 7 215 2 2	0.1626	159.65	21.051	-40.143	0.1628649	-0.017577	-0.0003
72 7 215 232		159.36	20.544	-41.590	0.1579132	-0.003114	
72 7 215 3 2	0.1597	159.04	20.026	-43.028	0.1593986	0.007518	0.0003
72 7 215 332		158.70	19.496	-44.457	0.1629789	0.005957	
72 7 215 4 2	0.1631	158.33	18.955	-45.877	0.1639631	-0.001688	-0.0009
72 7 215 5 2	0.1571	157.52	17.840	-48.691	0.1553736	-0.016899	0.0017
72 7 215 532		157.07	17.267	-50.085	0.1458228	-0.024466	
72 7 215 6 2	0.1309	156.61	16.684	-51.472	0.1328935	-0.031318	-0.0020
72 7 215 632		156.11	16.092	-52.851	0.1171192	-0.036775	
72 7 215 7 2	0.1003	155.60	15.491	-54.222	0.0993382	-0.039627	0.0010
72 7 215 8 2	0.0650	154.49	14.263	-56.943	0.0642203	-0.033898	0.0008
72 7 215 832		153.90	13.636	-58.293	0.0504027	-0.025317	
72 7 215 9 2	0.0382	153.30	13.003	-59.637	0.0398908	-0.022923	-0.0017
72 7 215 932		152.66	12.362	-60.976	0.0267445	-0.036718	
72 7 21510 2	0.0058	152.01	11.714	-62.308	0.0048125	-0.058153	0.0010
72 7 21511 2	-0.0672	150.64	10.399	-64.957	-0.0677110	-0.098333	0.0005
72 7 2151132		149.92	9.732	-66.275	-0.1174771	-0.117078	
72 7 21512 2	-0.1741	149.18	9.060	-67.588	-0.1727425	-0.115858	-0.0014
72 7 2151232		148.42	8.383	-68.898	-0.2184475	-0.075605	
72 7 21513 2	-0.2391	147.65	7.701	-70.204	-0.2400669	-0.019169	0.0010
72 7 21514 2	-0.2128	146.04	6.324	-72.807	-0.2128070	0.073784	0.0000
72 7 2151432		145.21	5.629	-74.105	-0.1700527	0.110297	
72 7 21515 2	-0.1130	144.36	4.931	-75.401	-0.1125065	0.136796	-0.0005
72 7 2151532		143.49	4.230	-76.695	-0.0457962	0.149929	
72 7 21516 2	0.0239	142.62	3.526	-77.988	0.0239044	0.149890	0.0000
72 7 21517 2	0.1493	140.81	2.112	-80.573	0.1483020	0.110909	0.0010
72 7 2151732		139.88	1.402	-81.865	0.1910193	0.071958	
72 7 21518 2	0.2127	138.94	0.690	-83.158	0.2142538	0.029791	-0.0016
72 7 2151832		137.98	-0.023	-84.452	0.2195263	-0.005867	
72 7 21519 2	0.2106	137.02	-0.736	-85.746	0.2093231	-0.038379	0.0013
72 7 21520 2	0.1430	135.05	-2.163	-88.342	0.1436000	-0.104139	-0.0006
72 7 2152032		134.05	-2.877	-89.644	0.0878487	-0.137387	
72 7 21521 2	-0.0186	133.04	-3.589	-90.948	0.0184654	-0.159454	0.0001
72 7 2152132		132.02	-4.301	-92.256	-0.0559093	-0.158932	
72 7 21522 2	-0.1249	131.00	-5.011	-93.568	-0.1248940	-0.136363	0.0000
72 7 21523 2	-0.2068	128.91	-6.426	-96.205	-0.2068002	-0.026709	0.0000

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72 7 2141142	0.1559	100.91	-2.257	88.742	0.1555394	-0.505655	0.0004	
72 7 2141212		101.80	-1.517	87.394	-0.0408653	-0.338789		
72 7 2141242	-0.1598	102.69	-0.778	86.048	-0.1581718	-0.177771	-0.0016	
72 7 2141342	-0.2248	104.52	0.699	83.361	-0.2282637	-0.007839	0.0035	
72 7 2141412		105.45	1.436	82.019	-0.2278700	0.001099		
72 7 2141442	0.2356	106.39	2.172	80.677	-0.2316490	-0.018550	-0.0040	
72 7 2141512		107.34	2.906	79.336	-0.2459944	-0.044684		
72 7 2141542	-0.2707	108.30	3.637	77.994	-0.2721608	-0.065947	0.0015	
72 7 2141642	-0.3325	110.23	5.091	75.307	-0.3351886	-0.059743	0.0027	
72 7 2141712		111.21	5.813	73.962	-0.3570543	-0.032284		
72 7 2141742	-0.3707	112.20	6.531	72.614	-0.3655735	-0.008577	-0.0051	
72 7 2141812		113.18	7.245	71.265	-0.3686308	-0.008627		
72 7 2141842	-0.3731	114.18	7.954	69.912	-0.3775465	-0.034710	0.0044	
72 7 2141942	-0.4665	116.17	9.356	67.197	-0.4641742	-0.171797	-0.0023	
72 7 2142012		117.17	10.049	65.833	-0.5680084	-0.282785		
72 7 2142042	-0.7161	118.18	10.735	64.466	-0.7169718	-0.339691	0.0009	
72 7 2142112		119.18	11.414	63.093	-0.8606622	-0.260108		
72 7 2142142	-0.9453	120.18	12.087	61.716	-0.9447976	-0.100353	-0.0005	
72 7 2142242	-0.8638	122.19	13.408	58.944	-0.8643190	0.290541	0.0005	
72 7 2142312		123.19	14.057	57.550	-0.6777667	0.521669		
72 7 2142342	-0.3899	124.18	14.697	56.149	-0.3897434	0.706466	-0.0002	
72 7 2142412		125.17	15.328	54.741	-0.0433945	0.774680		
72 7 2142442	0.3108	126.16	15.950	53.327	0.3120728	0.755207	-0.0013	
72 7 2142542	0.9314	128.13	17.163	50.476	0.9280304	0.539729	0.0034	
72 7 2142612		129.10	17.754	49.039	1.1342115	0.343753		
72 7 2142642	1.2427	130.07	18.333	47.594	1.2470084	0.158082	-0.0043	
72 7 2142712		131.02	18.901	46.141	1.2924341	0.051978		
72 7 2142742	1.3041	131.98	19.458	44.680	1.3012115	-0.013743	0.0029	
72 7 2142842	1.2290	133.85	20.533	41.732	1.2292328	-0.141303	-0.0002	
72 7 2142912		134.77	21.052	40.246	1.1496809	-0.203143		
72 7 2142942	1.0376	135.69	21.556	38.750	1.0391395	-0.281319	-0.0015	
72 7 2143012		136.59	22.048	37.246	0.8847116	-0.393396		
72 7 2143042	0.6778	137.48	22.525	35.732	0.6759230	-0.505216	0.0019	
72 7 2143142	0.1417	139.22	23.434	32.679	0.1433394	-0.625370	-0.0016	
72 7 2143212		140.07	23.866	31.139	-0.1486006	-0.633722		
72 7 2143242	-0.4296	140.91	24.283	29.591	-0.4306532	-0.569555	0.0011	
72 7 2143312		141.73	24.683	28.034	-0.6575088	-0.394887		
72 7 2143342	-0.7873	142.54	25.067	26.469	-0.7878244	-0.171902	0.0005	
72 7 2143442	-0.7585	144.11	25.784	23.313	-0.7557414	0.232075	-0.0028	
72 7 2143512		144.87	26.117	21.723	-0.6062956	0.413074		
72 7 2143542	-0.3769	145.62	26.432	20.126	-0.3806416	0.552945	0.0037	
72 7 2143612		146.34	26.729	18.522	-0.1062580	0.624441		
72 7 2143642	0.1839	147.05	27.008	16.911	0.1860705	0.631767	-0.0022	
72 7 2143742	0.7108	148.41	27.510	13.669	0.7115340	0.466380	-0.0007	
72 7 2143812		149.06	27.733	12.039	0.8892766	0.293696		
72 7 2143842	0.9796	149.70	27.936	10.404	0.9771664	0.085012	0.0024	
72 7 2143912		150.31	28.120	8.765	0.9659654	-0.135523		
72 7 2143942	0.8530	150.90	28.285	7.121	0.8549155	-0.337198	-0.0019	
72 7 2144042	0.4113	152.02	28.555	3.822	0.4109271	-0.591335	0.0004	
72 7 2144112		152.55	28.660	2.169	0.1239258	-0.643322		

72 7 2144142	-0.1764	153.06	28.744	0.513	-0.1769456	-0.653360	0.0005
72 7 2144212		153.54	28.809	-1.144	-0.4737921	-0.626705	
72 7 2144242	-0.7510	154.01	28.854	-2.802	-0.7507033	-0.568119	-0.0003
72 7 2144342	-1.1919	154.86	28.883	-6.119	-1.1914073	-0.368015	-0.0005
72 7 2144412		155.25	28.867	-7.776	-1.3296943	-0.226511	
72 7 2144442	-1.3975	155.63	28.831	-9.432	-1.3985740	-0.072185	0.0011
72 7 2144512		155.97	28.774	-11.085	-1.3966833	0.080031	
72 7 2144542	-1.3278	156.30	28.698	-12.736	-1.3264407	0.220711	-0.0014
72 7 2144642	-1.0139	156.87	28.487	-16.028	-1.0154561	0.438837	0.0016
72 7 2144712		157.11	28.352	-17.668	-0.7941908	0.516292	
72 7 2144742	-0.5467	157.34	28.197	-19.302	-0.5452190	0.551567	-0.0015
72 7 2144812		157.54	28.023	-20.932	-0.2946389	0.523528	
72 7 2144842	-0.0670	157.72	27.830	-22.555	-0.0677546	0.456910	0.0008
72 7 2144942	0.2781	158.00	27.388	-25.782	0.2777351	0.282202	0.0004
72 7 2145012		158.09	27.140	-27.386	0.3835917	0.174120	
72 7 2145042	0.4388	158.17	26.873	-28.982	0.4398528	0.074811	-0.0011
72 7 2145112		158.22	26.589	-30.570	0.4575139	0.006941	
72 7 2145142	0.4507	158.25	26.287	-32.149	0.4497122	-0.038483	0.0010
72 7 2145242	0.3862	158.22	25.633	-35.284	0.3867890	-0.088807	-0.0006
72 7 2145312		158.17	25.281	-36.838	0.3441416	-0.093714	
72 7 2145342	0.3031	158.10	24.913	-38.382	0.3028320	-0.081890	0.0003
72 7 2145412		157.99	24.529	-39.918	0.2715966	-0.050113	
72 7 2145442	0.2570	157.87	24.130	-41.444	0.2570276	-0.015314	0.0000
72 7 2145542	0.2598	157.54	23.287	-44.468	0.2600141	0.012499	-0.0002
72 7 2145612		157.34	22.844	-45.966	0.2647088	0.005520	
72 7 2145642	0.2638	157.12	22.387	-47.454	0.2634989	-0.011929	0.0003
72 7 2145712		156.86	21.916	-48.934	0.2526174	-0.036384	
72 7 2145742	0.2298	156.59	21.432	-50.403	0.2298657	-0.061072	-0.0001
72 7 2145842	0.1574	155.97	20.426	-53.313	0.1577381	-0.090788	-0.0003
72 7 2145912		155.62	19.905	-54.755	0.144152	-0.095818	
72 7 2145942	0.0712	155.25	19.372	-56.187	0.0707538	-0.091163	0.0004
72 7 215 012		154.85	18.828	-57.612	0.0322108	-0.073690	
72 7 215 042	0.0034	154.44	18.273	-59.026	0.0032977	-0.052417	0.0001
72 7 215 142	-0.0321	153.54	17.131	-61.831	-0.0310915	-0.025553	-0.0010
72 7 215 212		153.05	16.546	-63.222	-0.0413956	-0.019960	
72 7 215 242	-0.0490	152.55	15.951	-64.604	-0.0503536	-0.019772	0.0014
72 7 215 312		152.01	15.347	-65.980	-0.0605120	-0.025170	
72 7 215 342	-0.0740	151.47	14.734	-67.348	-0.0734930	-0.029904	-0.0005
72 7 215 442	-0.0990	150.31	13.484	-70.064	-0.0980254	-0.018623	-0.0010
72 7 215 512		149.69	12.847	-71.412	-0.1031923	-0.002611	
72 7 215 542	-0.0985	149.06	12.204	-72.754	-0.1002242	0.014770	0.0017
72 7 215 612		148.40	11.553	-74.091	-0.0902003	0.027962	
72 7 215 642	-0.0756	147.74	10.896	-75.422	-0.0745740	0.040053	-0.0010
72 7 215 742	-0.0247	146.34	9.564	-78.071	-0.0242961	0.070167	-0.0004
72 7 215 812		145.60	8.889	-79.389	0.0121784	0.088189	
72 7 215 842	0.0571	144.87	8.210	-80.703	0.0557092	0.096944	0.0014
72 7 215 912		144.10	7.525	-82.014	0.0985355	0.085184	
72 7 215 942	0.1312	143.33	6.836	-83.321	0.1328875	0.063834	-0.0017
72 7 2151042	0.1753	141.73	5.447	-85.928	0.1735620	0.025160	0.0017
72 7 2151112		140.90	4.746	-87.229	0.1811262	0.007835	
72 7 2151142	0.1790	140.07	4.044	-88.528	0.1807619	-0.009708	-0.0018
72 7 2151212		139.21	3.338	-89.826	0.1718927	-0.029013	
72 7 2151242	0.1557	138.35	2.630	-91.123	0.1539411	-0.048512	0.0018
72 7 2151342	0.0909	136.58	1.208	-93.717	0.0926382	-0.083345	-0.0017
72 7 2151412		135.67	0.495	-95.016	0.0505718	-0.098678	
72 7 2151442	0.0049	134.77	-0.219	-96.314	0.0033109	-0.102385	0.0016
72 7 2151512		133.84	-0.934	-97.615	-0.0406026	-0.084227	
72 7 2151542	-0.0748	132.91	-1.648	-98.916	-0.0737179	-0.061250	-0.0011
72 7 2151642	-0.1219	131.02	-3.077	-101.527	-0.1222407	-0.052007	0.0003
72 7 2151712		130.05	-3.791	-102.838	-0.1489461	-0.065734	
72 7 2151742	-0.1845	129.09	-4.502	-104.151	-0.1846416	-0.090529	0.0001
72 7 2151812		128.11	-5.213	-105.469	-0.2340555	-0.125206	
72 7 2151842	-0.3017	127.14	-5.921	-106.790	-0.3014984	-0.167962	-0.0002
72 7 2151942	-0.5027	125.17	-7.331	-109.448	-0.5027933	-0.272207	0.0001
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72 7 216 2 0	-0.0041	95.01	-10.252	91.041	-0.0038630	-0.282487	-0.0002
72 7 216 230		95.77	-9.545	89.644	-0.1367951	-0.282069	
72 7 216 3 0	-0.2567	96.55	-8.834	88.254	-0.2577695	-0.239119	0.0011
72 7 216 4 0	-0.4226	98.15	-7.397	85.493	-0.4203363	-0.101510	-0.0023
72 7 216 430		98.97	-6.674	84.122	-0.4460138	-0.006852	
72 7 216 5 0	-0.4258	99.81	-5.947	82.755	-0.4281214	0.078330	0.0023
72 7 216 530		100.66	-5.217	81.394	-0.3792558	0.127324	
72 7 216 6 0	-0.3142	101.52	-4.485	80.037	-0.3144634	0.150923	0.0003
72 7 216 7 0	-0.1734	103.29	-3.017	77.334	-0.1690472	0.154313	-0.0044
72 7 216 730		104.19	-2.281	75.988	-0.1019068	0.134105	
72 7 216 8 0	-0.0389	105.10	-1.545	74.644	-0.0450375	0.115081	0.0061
72 7 216 830		106.02	-0.809	73.303	0.0069665	0.113029	
72 7 216 9 0	0.0567	106.95	-0.072	71.963	0.0598780	0.114545	-0.0032
72 7 21610 0	0.1542	108.84	1.397	69.288	0.1564524	0.088080	-0.0023
72 7 2161030		109.79	2.130	67.951	0.1910359	0.060097	
72 7 21611 0	0.2149	110.75	2.861	66.615	0.2097330	0.017749	0.0052
72 7 2161130		111.72	3.590	65.278	0.2045155	-0.043500	
72 7 21612 0	0.1673	112.69	4.316	63.940	0.1705201	-0.098552	-0.0032
72 7 21613 0	0.0613	114.65	5.758	61.261	0.0623998	-0.114774	-0.0011
72 7 2161330		115.63	6.473	59.919	0.0171707	-0.075943	
72 7 21614 0	0.0001	116.62	7.184	58.574	-0.0036490	-0.010639	0.0036
72 7 2161430		117.60	7.891	57.227	0.0106791	0.076317	
72 7 21615 0	0.0638	118.59	8.592	55.876	0.0667186	0.162619	-0.0029
72 7 21616 0	0.2725	120.57	9.979	53.164	0.2718258	0.266335	0.0007
72 7 2161630		121.56	10.663	51.802	0.3996908	0.283749	
72 7 21617 0	0.5288	122.55	11.340	50.435	0.5280224	0.263434	0.0008
72 7 2161730		123.53	12.011	49.063	0.6348565	0.190622	
72 7 21618 0	0.7001	124.51	12.674	47.686	0.7009439	0.097723	-0.0008
72 7 21619 0	0.7190	126.46	13.976	44.914	0.7186746	-0.051103	0.0003
72 7 2161930		127.43	14.615	43.519	0.6816970	-0.107030	
72 7 21620 0	0.6208	128.39	15.245	42.117	0.6206592	-0.157680	0.0001
72 7 2162030		129.35	15.865	40.709	0.5358288	-0.210100	
72 7 21621 0	0.4256	130.30	16.476	39.293	0.4262193	-0.265391	-0.0006
72 7 21622 0	0.1270	132.18	17.666	36.439	0.1258337	-0.387894	0.0012
72 7 2162230		133.10	18.245	35.000	-0.0686118	-0.455106	
72 7 21623 0	-0.2948	134.02	18.813	33.553	-0.2935977	-0.517146	-0.0012
72 7 2162330		134.93	19.369	32.098	-0.5439200	-0.564864	
72 7 21624 0	-0.8083	135.82	19.913	30.635	-0.8083650	-0.568356	0.0001
72 7 21625 0	-1.2548	137.58	20.963	27.682	-1.2565274	-0.352942	0.0017
72 7 2162530		138.44	21.469	26.192	-1.3717937	-0.134036	
72 7 21626 0	-1.3780	139.29	21.961	24.694	-1.3757559	0.114341	-0.0022

72 7 2162630		140.12	22.438	23.187	-1.2685535	0.347528	
72 7 21627 0	-1.0602	140.94	22.902	21.671	-1.0601577	0.546303	0.0000
72 7 21628 0	-0.4261	142.54	23.784	18.612	-0.4299590	0.782951	0.0039
72 7 2162830		143.32	24.202	17.069	-0.0576800	0.820823	
72 7 21629 0	0.3116	144.07	24.604	15.518	0.3171945	0.788761	-0.0056
72 7 2162930		144.82	24.990	13.958	0.6573599	0.670464	
72 7 21630 0	0.9310	145.54	25.359	12.390	0.9279212	0.497887	0.0031
72 7 21631 0	1.2059	146.94	26.047	9.229	1.2042525	0.085764	0.0016
72 7 2163130		147.62	26.364	7.637	1.1894099	-0.153783	
72 7 21632 0	1.0617	148.27	26.664	6.038	1.0662901	-0.367111	-0.0046
72 7 2163230		148.91	26.946	4.432	0.8619387	-0.505679	
72 7 21633 0	0.6123	149.52	27.210	2.818	0.6078967	-0.588813	0.0044
72 7 21634 0	0.0235	150.69	27.681	-0.426	0.0263399	-0.646769	-0.0028
72 7 2163430		151.25	27.888	-2.057	-0.2678376	-0.621590	
72 7 21635 0	-0.5402	151.78	28.075	-3.693	-0.5417010	-0.558000	0.0015
72 7 2163530		152.30	28.244	-5.333	-0.7768070	-0.453693	
72 7 21636 0	-0.9569	152.79	28.393	-6.977	-0.9566343	-0.323465	-0.0003
72 7 21637 0	-1.1242	153.70	28.631	-10.276	-1.1230805	-0.023642	-0.0011
72 7 2163730		154.13	28.720	-11.929	-1.0994289	0.133954	
72 7 21638 0	-0.9986	154.53	28.789	-13.584	-1.0004957	0.290380	0.0019
72 7 2163830		154.91	28.838	-15.239	-0.8352218	0.421343	
72 7 21639 0	-0.6183	155.26	28.867	-16.896	-0.6167299	0.517959	-0.0016
72 7 21640 0	-0.0951	155.90	28.864	-20.209	-0.0958246	0.581502	0.0007
72 7 2164030		156.19	28.832	-21.863	0.1666720	0.548428	
72 7 21641 0	0.4039	156.45	28.781	-23.516	0.4041023	0.473310	-0.0002
72 7 2164130		156.69	28.709	-25.167	0.5974199	0.357332	
72 7 21642 0	0.7321	156.90	28.618	-26.815	0.7318358	0.226975	0.0003
72 7 21643 0	0.8335	157.25	28.376	-30.099	0.8340859	0.002567	-0.0006
72 7 2164330		157.39	28.226	-31.734	0.8130949	-0.091484	
72 7 21644 0	0.7542	157.50	28.056	-33.365	0.7533780	-0.161073	0.0008
72 7 2164430		157.60	27.868	-34.989	0.6700326	-0.193843	
72 7 21645 0	0.5773	157.65	27.660	-36.608	0.5782311	-0.201661	-0.0009
72 7 21646 0	0.3999	157.71	27.190	-39.826	0.3988975	-0.178054	0.0010
72 7 2164630		157.70	26.927	-41.424	0.3234444	-0.146628	
72 7 21647 0	0.2619	157.66	26.647	-43.015	0.2629188	-0.119022	-0.0010
72 7 2164730		157.61	26.349	-44.597	0.2103551	-0.112137	
72 7 21648 0	0.1585	157.52	26.034	-46.172	0.1575821	-0.116906	0.0009
72 7 21649 0	0.0417	157.27	25.354	-49.295	0.0424467	-0.134201	-0.0007
72 7 2164930		157.12	24.989	-50.843	-0.0223037	-0.146728	
72 7 21650 0	-0.0918	156.93	24.608	-52.382	-0.0923387	-0.154722	0.0005
72 7 2165030		156.73	24.212	-53.912	-0.1633744	-0.151063	
72 7 21651 0	-0.2310	156.49	23.800	-55.433	-0.2307663	-0.140529	-0.0002
72 7 2165130		154.97	21.528	-62.896	-0.4681209	-0.056368	
72 7 21652 0	-0.4796	152.86	18.932	-70.129	-0.4798394	0.042305	0.0002
72 7 2165230		152.38	18.378	-71.548	-0.4563660	0.059225	
72 7 21653 0	-0.4263	151.86	17.813	-72.960	-0.4257594	0.072206	-0.0005
72 7 21654 0	-0.3539	150.78	16.653	-75.759	-0.3545744	0.077355	0.0007
72 7 2165430		150.22	16.058	-77.146	-0.3204025	0.069522	
72 7 21655 0	-0.2906	149.62	15.454	-78.527	-0.2899289	0.064626	-0.0007
72 7 2165530		149.02	14.842	-79.900	-0.2587579	0.072542	
72 7 217 0 0	-0.2217	148.37	14.221	-81.266	-0.2222497	0.084985	0.0005
72 7 217 1 0	-0.1367	147.05	12.955	-83.979	-0.1363409	0.098587	-0.0004
72 7 217 130		146.37	12.311	-85.326	-0.0904130	0.099746	
72 7 217 2 0	-0.0450	145.66	11.659	-86.668	-0.0452165	0.094554	0.0002
72 7 217 230		144.95	11.002	-88.004	-0.0044814	0.080420	
72 7 217 3 0	0.0285	144.19	10.337	-89.336	0.0286331	0.063641	-0.0001
72 7 217 4 0	0.0759	142.66	8.991	-91.986	0.0758388	0.041042	0.0001
72 7 217 430		141.89	8.311	-93.305	0.0933031	0.035222	
72 7 217 5 0	0.1072	141.07	7.634	-94.620	0.1072135	0.021941	0.0000
72 7 217 6 0	0.0952	139.42	6.240	-97.243	0.0951995	-0.060348	0.0000

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72 7 2 54821	-0.1354	84.75	-19.994	94.638	-0.1353543	-0.091205	0.0000	
72 7 2 54921	-0.2287	85.88	-18.842	91.554	-0.2299340	-0.105344	0.0012	
72 7 2 54951		86.48	-18.248	90.030	-0.2763672	-0.093714		
72 7 2 55021	-0.3206	87.10	-17.642	88.517	-0.3150274	-0.072732	-0.0056	
72 7 2 55121	-0.3442	88.42	-16.398	85.525	-0.3560863	-0.012041	0.0119	
72 7 2 55151		89.11	-15.760	84.046	-0.3527184	0.027670		
72 7 2 55221	-0.3480	89.82	-15.114	82.576	-0.3336933	0.046879	-0.0143	
72 7 2 55251		90.55	-14.458	81.117	-0.3167018	0.018849		
72 7 2 55321	-0.3082	91.31	-13.795	79.667	-0.3167203	-0.011994	0.0085	
72 7 2 55421	-0.3098	92.88	-12.444	76.796	-0.3114477	0.051157	0.0016	
72 7 2 55451		93.69	-11.758	75.374	-0.2677281	0.145161		
72 7 2 55521	-0.1844	94.52	-11.066	73.960	-0.1772008	0.240561	-0.0072	
72 7 2 55551		95.37	-10.368	72.554	-0.0515704	0.297168		
72 7 2 55621	0.0961	96.23	-9.665	71.156	0.0921683	0.321135	0.0039	
72 7 2 55721	0.3859	98.01	-8.244	68.380	0.3823121	0.289672	0.0036	
72 7 2 55751		98.93	-7.528	67.002	0.5042767	0.234235		
72 7 2 55821	0.5870	99.85	-6.807	65.630	0.5948044	0.154146	-0.0078	
72 7 2 55851		100.80	-6.084	64.263	0.6430876	0.051194		
72 7 2 55921	0.6482	101.75	-5.358	62.901	0.6425030	-0.049004	0.0057	
72 7 2 6 021	0.5347	103.69	-3.900	60.192	0.5352553	-0.164402	-0.0006	
72 7 2 6 051		104.68	-3.169	58.843	0.4547520	-0.179594		
72 7 2 6 121	0.3709	105.68	-2.436	57.497	0.3737266	-0.166837	-0.0028	
72 7 2 6 151		106.69	-1.704	56.154	0.3049435	-0.126520		
72 7 2 6 221	0.2614	107.71	-0.971	54.814	0.2581669	-0.077979	0.0032	
72 7 2 6 321	0.2166	109.77	0.494	52.139	0.2190247	-0.014206	-0.0024	
72 7 2 6 351		110.80	1.225	50.804	0.2164094	0.001026		
72 7 2 6 421	0.2216	111.85	1.954	49.469	0.2200149	0.016541	0.0016	
72 7 2 6 451		112.90	2.682	48.135	0.2334808	0.043736		
72 7 2 6 521	0.2588	113.95	3.407	46.800	0.2592484	0.063460	-0.0004	
72 7 2 6 621	0.3064	116.07	4.849	44.130	0.3073865	0.023062	-0.0010	
72 7 2 6 651		117.13	5.565	42.793	0.3051775	-0.037067		
72 7 2 6 721	0.2738	118.20	6.277	41.454	0.2721418	-0.103829	0.0017	
72 7 2 6 751		119.26	6.966	40.113	0.2113557	-0.157257		
72 7 2 6 821	0.1274	120.33	7.689	38.770	0.1282135	-0.202401	-0.0008	
72 7 2 6 921	-0.0977	122.45	9.081	36.074	-0.0968970	-0.283044	-0.0008	
72 7 2 6 951		123.51	9.768	34.721	-0.2359000	-0.318544		
72 7 2 61021	-0.3859	124.57	10.450	33.364	-0.3875292	-0.331315	0.0016	
72 7 2 61051		125.62	11.125	32.002	-0.5353236	-0.301851		
72 7 2 61121	-0.6644	126.67	11.793	30.636	-0.6635085	-0.254584	-0.0009	
72 7 2 61221	-0.8627	128.75	13.107	27.888	-0.8620729	-0.179924	-0.0006	
72 7 2 61251		129.78	13.752	26.505	-0.9385665	-0.152531		
72 7 2 61321	-0.9906	130.81	14.389	25.117	-1.0001229	-0.106995	0.0015	
72 7 2 61351		131.82	15.017	23.722	-1.0307515	-0.018525		
72 7 2 61421	-1.0146	132.83	15.636	22.320	-1.0133293	0.095307	-0.0013	
72 7 2 61521	-0.8113	134.82	16.844	19.496	-0.8117858	0.346452	0.0005	
72 7 2 61551		135.80	17.433	18.073	-0.6204270	0.483767		
72 7 2 61621	-0.3703	136.76	18.012	16.643	-0.3704020	0.586622	0.0001	

72 7 2 61651		137.72	18.579	15.204	-0.0905660	0.612765		
72 7 2 61721	0.1856	138.66	19.135	13.758	0.1860235	0.577967	-0.0004	
72 7 2 61821	0.6396	140.51	20.210	10.840	0.6389142	0.372886	0.0007	
72 7 2 61851		141.41	20.730	9.369	0.7735036	0.202592		
72 7 2 61921	0.8248	142.29	21.236	7.889	0.8257079	0.030488	-0.0009	
72 7 2 61951		143.16	21.728	6.400	0.8880334	-0.100130		
72 7 2 62021	0.7383	144.02	22.207	4.903	0.7371651	-0.205345	0.0011	
72 7 2 62121	0.4590	145.68	23.123	1.882	0.4603883	-0.387973	-0.0014	
72 7 2 62151		146.48	23.558	0.358	0.2630305	-0.465384		
72 7 2 62221	0.0366	147.27	23.979	-1.174	0.0353348	-0.512506	0.0013	
72 7 2 62251		148.04	24.384	-2.714	-0.2823049	-0.508336		
72 7 2 62321	-0.4284	148.79	24.772	-4.263	-0.4281828	-0.466079	-0.0002	
72 7 2 62421	-0.7941	150.23	25.501	-7.386	-0.7927155	-0.306909	-0.0014	
72 7 2 62451		150.91	25.841	-8.960	-0.9083844	-0.189990		
72 7 2 62521	-0.9632	151.58	26.163	-10.541	-0.9654124	-0.055284	0.0022	
72 7 2 62551		152.23	26.467	-12.129	-0.9577743	0.090157		
72 7 2 62621	-0.8842	152.85	26.754	-13.725	-0.8826623	0.232403	-0.0015	
72 7 2 62721	-0.5550	154.04	27.274	-16.936	-0.5551138	0.465683	0.0001	
72 7 2 62751		154.60	27.506	-18.550	-0.3184317	0.556714		
72 7 2 62821	-0.0470	155.13	27.719	-20.171	-0.0478255	0.603837	0.0008	
72 7 2 62851		155.64	27.914	-21.796	0.2282437	0.580233		
72 7 2 62921	0.4800	156.13	28.089	-23.426	0.4809575	0.511251	-0.0010	
72 7 2 63021	0.8685	157.03	28.382	-26.699	0.8677428	0.313168	0.0008	
72 7 2 63051		157.45	28.499	-28.340	0.9833015	0.184062		
72 7 2 63121	-1.0377	157.84	28.596	-29.984	1.0380958	0.057506	-0.0004	
72 7 2 63151		158.20	28.673	-31.630	1.0402575	-0.043957		
72 7 2 63221	1.0007	158.54	28.731	-33.277	1.0011548	-0.121743	-0.0005	
72 7 2 63321	0.8425	159.15	28.787	-36.574	0.8408521	-0.210657	0.0016	
72 7 2 63351		159.41	28.785	-38.223	0.7401668	-0.221780		
72 7 2 63421	0.6359	159.64	28.763	-39.870	0.6382561	-0.218691	-0.0024	
72 7 2 63451		159.85	28.721	-41.517	0.5391905	-0.209402		
72 7 2 63521	0.4471	160.04	28.660	-43.161	0.4448988	-0.200135	0.0022	
72 7 2 63621	0.2603	160.33	28.477	-46.442	0.2619336	-0.200330	-0.0016	
72 7 2 63651		160.43	28.357	-48.077	0.1674951	-0.205793		
72 7 2 63721	0.0697	160.51	28.217	-49.708	0.0689049	-0.214799	0.0008	
72 7 2 63751		160.56	28.059	-51.334	-0.0285093	-0.204647		
72 7 2 63821	-0.1180	160.58	27.881	-52.955	-0.1189766	-0.187464	0.0010	
72 7 2 63921	-0.2808	160.55	27.469	-56.180	-0.2773869	-0.156383	-0.0034	
72 7 2 63951		160.50	27.235	-57.783	-0.3463399	-0.142485		
72 7 2 64021	-0.4037	160.41	26.984	-59.380	-0.4082696	-0.124148	0.0046	
72 7 2 64051		160.31	26.714	-60.969	-0.4594360	-0.095828		
72 7 2 64121	-0.4994	160.17	26.427	-62.550	-0.4962218	-0.064046	-0.0032	
72 7 2 64221	-0.5288	159.82	25.802	-65.690	-0.5292938	-0.009620	0.0005	
72 7 2 64251		159.60	25.464	-67.247	-0.5283912	0.013022		
72 7 2 64321	-0.5162	159.36	25.110	-68.796	-0.5170864	0.036962	0.0009	
72 7 2 64351		159.10	24.739	-70.336	-0.4935144	0.066154		
72 7 2 64421	-0.4560	158.80	24.354	-71.867	-0.4563088	0.093463	0.0003	
72 7 2 64521	-0.3577	158.14	23.536	-74.902	-0.3549252	0.119862	-0.0028	
72 7 2 64551		157.77	23.105	-76.486	-0.2994328	0.118948		
72 7 2 64621	-0.2422	157.38	22.660	-77.901	-0.2461567	0.111121	0.0040	
72 7 2 64651		156.96	22.201	-79.387	-0.1975889	0.098871		
72 7 2 64721	-0.1572	156.52	21.729	-80.864	-0.1546710	0.087864	-0.0025	
72 7 2 64821	-0.0765	155.56	20.745	-83.790	-0.0762708	0.086553	-0.0002	
72 7 2 64851		155.04	20.234	-85.240	-0.0343352	0.096251		
72 7 2 64921	0.0140	154.50	19.711	-86.680	0.0122312	0.103530	0.0018	
72 7 2 64951		153.94	19.177	-88.113	0.0594539	0.099069		
72 7 2 65021	0.1015	153.35	18.631	-89.536	0.1024931	0.086713	-0.0010	
72 7 2 65121	0.1659	152.12	17.507	-92.359	0.1667887	0.049851	-0.0009	
72 7 2 65151		151.47	16.929	-93.759	0.1843034	0.025343		
72 7 2 65221	0.1931	150.80	16.342	-95.151	0.1910954	0.006716	0.0020	
72 7 2 65251		150.11	15.745	-96.535	0.1929370	0.003896		
72 7 2 65321	0.1943	149.39	15.139	-97.912	0.1960664	0.006113	-0.0017	
72 7 2 65421	0.2123	147.91	13.902	-100.647	0.2115264	0.024848	0.0008	
72 7 2 65521	0.2433	146.35	12.632	-103.357	0.2434534	0.045151	-0.0002	

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 STATE = 1858.001 2.6127599E-02, 2.642645 14, 2*10, 0.6445815
 5.006108 1.918923
 ICOORD = 1,
 TSTATE = 1791.265 114.4241 536.6766 -5.1931381E-02,
 -1.482335 0.6 2*10
 LONER = 999.0000
 DUTSEC = 0.0000000E+00
 TRANSA = 0.0000000E+00
 TRANSB = 0.0000000E+00
 GM = 4902.780
 ERAD = 376820.5
 ELAT = -5.667588 2*0.0000000E+00,
 ELON = -5.140839 2*0.0000000E+00,
 ROTR = 8.9400001E-03,
 DIFIT = 0.3000000
 CONEAC = 1.083000
 #END

EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 7 2133859	-0.4150	72.85	-24.227	92.874	-0.4150841	0.098615	0.0001
72 7 2133959	-0.4596	73.54	-23.338	89.550	-0.4573296	-0.099741	-0.0023
72 7 2134029		73.93	-22.867	87.905	-0.4845467	0.004431	
72 7 2134059	-0.4382	74.36	-22.380	86.273	-0.4484532	0.139695	0.0103
72 7 2134159	-0.2955	75.32	-21.360	83.046	-0.2736175	0.190077	-0.0219
72 7 2134229		75.84	-20.827	81.451	-0.2026339	0.105194	
72 7 2134259	-0.1517	76.40	-20.280	79.868	-0.1783150	0.008423	0.0266
72 7 2134329		76.99	-19.719	78.298	-0.1872227	-0.038743	
72 7 2134359	-0.2245	77.61	-19.145	76.739	-0.2075253	-0.043258	-0.0170
72 7 2134459	-0.2135	78.94	-17.960	73.658	-0.2131821	0.054804	-0.0003
72 7 2134529		79.65	-17.350	72.135	-0.1655750	0.157380	
72 7 2134559	-0.0586	80.39	-16.730	70.623	-0.0696195	0.248546	0.0110
72 7 2134629		81.15	-16.098	69.123	0.0549174	0.281195	
72 7 2134659	0.1738	81.95	-15.458	67.633	0.1839373	0.274287	-0.0101
72 7 2134759	0.4128	83.61	-14.149	64.685	0.4086390	0.198687	0.0042
72 7 2134829		84.49	-13.482	63.226	0.4853044	0.129995	
72 7 2134859	0.5243	85.38	-12.807	61.776	0.5240867	0.031513	0.0002
72 7 2134929		86.31	-12.125	60.336	0.5084022	-0.105955	
72 7 2134959	0.4260	87.25	-11.437	58.904	0.4281767	-0.230914	-0.0022
72 7 2135059	0.1719	89.21	-10.042	56.066	0.1685247	-0.288823	0.0034
72 7 2135129		90.22	-9.336	54.658	0.0481964	-0.221772	
72 7 2135159	-0.0337	91.25	-8.626	53.258	-0.0307966	-0.119278	-0.0029
72 7 2135229		92.31	-7.912	51.865	-0.0608804	-0.009898	
72 7 2135259	-0.0434	93.38	-7.194	50.478	-0.0418495	0.087047	-0.0016
72 7 2135359	0.1022	95.57	-5.748	47.722	0.0938327	0.185671	0.0084
72 7 2135429		96.69	-5.022	46.351	0.1811624	0.187349	
72 7 2135459	0.2529	97.83	-4.293	44.986	0.2645201	0.174059	-0.0116
72 7 2135529		98.99	-3.563	43.625	0.3421607	0.162583	
72 7 2135559	0.4205	100.16	-2.832	42.267	0.4127641	0.138898	0.0077
72 7 2135659	0.4907	102.53	-1.369	39.563	0.4908825	0.012815	-0.0002
72 7 2135729		103.73	-0.637	38.214	0.4741714	-0.089581	
72 7 2135759	0.4054	104.95	0.094	36.868	0.4102131	-0.178681	-0.0048
72 7 2135829		106.17	0.824	35.524	0.3173142	-0.214952	
72 7 2135859	0.2218	107.41	1.553	34.181	0.2162888	-0.222151	0.0056
72 7 2135959	0.0055	109.90	3.004	31.496	0.0101603	-0.220608	-0.0047
72 7 214 029		111.15	3.726	30.155	-0.0898764	-0.211866	
72 7 214 059	-0.1771	112.42	4.445	28.813	-0.1802487	-0.169207	0.0031
72 7 214 129		113.68	5.161	27.470	-0.2364946	-0.064030	
72 7 214 159	-0.2378	114.95	5.872	26.126	-0.2379595	0.050323	0.0002
72 7 214 259	-0.1382	117.49	7.283	23.432	-0.1334820	-0.146531	-0.0047
72 7 214 329		118.77	7.981	22.082	-0.0683211	0.128385	
72 7 214 359	-0.0123	120.04	8.674	20.729	-0.0188708	0.084673	0.0066
72 7 214 429		121.31	9.361	19.374	0.0087900	0.033993	
72 7 214 459	0.0106	122.58	10.042	18.014	0.0134060	-0.010909	-0.0028

72 7 214 559	-0.0221	125.12	11.385	15.284	-0.0181757	-0.045149	-0.0039
72 7 214 629		126.38	12.045	13.912	-0.0372709	-0.034485	
72 7 214 659	-0.0427	127.63	12.699	12.535	-0.0502252	-0.025169	0.0075
72 7 214 729		128.88	13.344	11.153	-0.0637755	-0.037067	
72 7 214 759	-0.0905	130.12	13.980	9.766	-0.0854211	-0.055266	-0.0051
72 7 214 859	-0.1443	132.58	15.228	6.974	-0.1439766	-0.065821	-0.0003
72 7 214 929		133.80	15.837	5.568	-0.1729313	-0.058177	
72 7 214 959	-0.1947	135.01	16.437	4.156	-0.1982436	-0.054100	0.0035
72 7 2141029		136.20	17.027	2.737	-0.2253087	-0.065770	
72 7 2141059	-0.2635	137.39	17.606	1.311	-0.2607522	-0.088999	-0.0027
72 7 2141159	-0.3722	139.72	18.730	-1.563	-0.3723198	-0.157570	0.0001
72 7 2141229		140.86	19.275	-3.012	-0.4552499	-0.202912	
72 7 2141259	-0.5558	141.99	19.808	-4.468	-0.5572522	-0.232474	0.0015
72 7 2141329		143.10	20.329	-5.932	-0.6639160	-0.223105	
72 7 2141359	-0.7600	144.20	20.837	-7.404	-0.7589530	-0.185757	-0.0010
72 7 2141459	-0.8779	146.35	21.813	-10.372	-0.8776417	-0.059970	-0.0003
72 7 2141529		147.39	22.280	-11.869	-0.8855690	0.028467	
72 7 2141559	-0.8486	148.42	22.733	-13.373	-0.8495355	0.128735	0.0009
72 7 2141629		149.42	23.172	-14.886	-0.7656799	0.235633	
72 7 2141659	-0.6336	150.41	23.595	-16.407	-0.6332509	0.334152	-0.0003
72 7 2141759	-0.2598	152.32	24.397	-19.474	-0.2589314	0.461033	-0.0009
72 7 2141829		153.24	24.774	-21.019	-0.0386345	0.489395	
72 7 2141859	0.1899	154.15	25.134	-22.571	0.1882784	0.487355	0.0016
72 7 2141929		155.02	25.479	-24.131	0.4056123	0.447899	
72 7 2141959	0.5967	155.88	25.806	-25.699	0.5982480	0.385031	-0.0015
72 7 2142059	0.8867	157.51	26.410	-28.854	0.8855888	0.231078	0.0011
72 7 2142129		158.29	26.685	-30.442	0.9716089	0.139993	
72 7 2142159	1.0145	159.05	26.943	-32.036	1.0153425	0.052089	-0.0008
72 7 2142229		159.77	27.182	-33.635	1.0221324	-0.020047	
72 7 2142259	1.0002	160.47	27.404	-35.240	0.9993117	-0.076070	0.0009
72 7 2142359	0.8940	161.80	27.791	-38.465	0.8950717	-0.138743	-0.0011
72 7 2142429		162.41	27.956	-40.083	0.8280486	-0.145393	
72 7 2142459	0.7624	163.01	28.102	-41.706	0.7612976	-0.148950	0.0011
72 7 2142529		163.57	28.230	-43.331	0.6897338	-0.162777	
72 7 2142559	0.6096	164.10	28.338	-44.959	0.6103782	-0.180617	-0.0008
72 7 2142659	0.4298	165.09	28.496	-48.221	0.4295473	-0.209566	0.0003
72 7 2142729		165.53	28.546	-49.854	0.3301443	-0.220674	
72 7 2142759	0.2271	165.95	28.576	-51.487	0.2270588	-0.223509	0.0000
72 7 2142829		166.33	28.588	-53.121	0.1259659	-0.212042	
72 7 2142859	0.0324	166.69	28.579	-54.753	0.0323010	-0.193861	0.0001
72 7 2142959	-0.1313	167.31	28.504	-58.015	-0.1308568	-0.160122	-0.0004
72 7 2143029		167.57	28.438	-59.642	-0.2011572	-0.144565	
72 7 2143059	-0.2632	167.80	28.352	-61.267	-0.2637851	-0.125387	0.0006
72 7 2143129		168.00	28.247	-62.889	-0.3156859	-0.098095	
72 7 2143159	-0.3543	168.17	28.124	-64.507	-0.3540028	-0.068469	-0.0003
72 7 2143259	-0.3938	168.42	27.820	-67.729	-0.3935855	-0.019566	-0.0002
72 7 2143329		168.49	27.640	-69.333	-0.3980359	-0.000288	
72 7 2143359	-0.3936	168.54	27.442	-70.931	-0.3940156	0.017923	0.0004
72 7 2143429		168.54	27.226	-72.523	-0.3812839	0.037450	
72 7 2143459	-0.3601	168.53	26.992	-74.108	-0.3601411	0.052394	0.0000
72 7 2143559	-0.3101	168.39	26.472	-77.259	-0.3092519	0.050845	-0.0008
72 7 2143629		168.27	26.187	-78.824	-0.2891821	0.034351	
72 7 2143659	-0.2763	168.13	25.884	-80.380	-0.2775909	0.017485	0.0013
72 7 2143729		167.95	25.565	-81.930	-0.2715387	0.010356	
72 7 2143759	-0.2683	167.74	25.230	-83.470	-0.2672565	0.008244	-0.0010
72 7 2143859	-0.2608	167.23	24.512	-86.527	-0.2612718	0.004918	0.0005
72 7 2143959	-0.2579	166.59	23.733	-89.549	-0.2578065	0.002787	-0.0001

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 4.996010 1.680494
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 TRANSA = 0.0000000E+00,
 TRANSB = 0.0000000E+00,
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 ERAD = 376559.0
 ELAT = -5.723643 2*0.0000000E+00,
 ELON = -5.101715 2*0.0000000E+00,
 ROTR = 8.9400001E-03,
 DTFT = 0.2000000
 CONEAC = 1.083000
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EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS		Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
72 7 21532 2	-0.5501	63.14	-26.220	89.741	-0.5500074	-0.155489	-0.0001	
72 7 21533 2	-0.3730	63.50	-25.555	86.257	-0.3755010	0.396599	0.0025	
72 7 2153332		63.74	-25.192	84.531	-0.1918472	0.364666		
72 7 21534 2	-0.0650	64.03	-24.810	82.816	-0.0537089	0.235689	-0.0113	
72 7 21535 2	0.0809	64.72	-23.987	79.419	0.0568769	0.011309	0.0240	
72 7 2153532		65.13	-23.548	77.739	0.0396433	-0.084088		
72 7 21536 2	-0.0418	65.57	-23.092	76.071	-0.0142577	-0.137230	-0.0275	
72 7 2153632		66.06	-22.619	74.415	-0.0757944	-0.117098		
72 7 21537 2	-0.1048	66.58	-22.129	72.772	-0.1156028	-0.052893	0.0108	
72 7 21538 2	-0.0720	67.75	-21.101	69.522	-0.0891186	0.120180	0.0171	
72 7 2153832		68.39	-20.565	67.917	-0.0090643	0.229054		
72 7 21539 2	0.0842	69.07	-20.015	66.323	0.1161776	0.297668	-0.0320	
72 7 2153932		69.78	-19.451	64.742	0.2511151	0.270911		
72 7 21540 2	0.3797	70.53	-18.875	63.174	0.3580450	0.190312	0.0217	
72 7 21541 2	0.4471	72.14	-17.684	60.073	0.4460657	-0.007875	0.0010	
72 7 2154132		72.99	-17.071	58.540	0.4157547	-0.125470		
72 7 21542 2	0.3211	73.88	-16.448	57.019	0.3365186	-0.202135	-0.0154	
72 7 2154232		74.80	-15.814	55.510	0.2435972	-0.184656		
72 7 21543 2	0.1882	75.76	-15.171	54.011	0.1728922	-0.122460	0.0153	
72 7 21544 2	0.1032	77.76	-13.858	51.045	0.1121814	-0.012178	-0.0090	
72 7 2154432		78.80	-13.189	49.578	0.1178406	0.035906		
72 7 21545 2	0.1442	79.88	-12.513	48.120	0.1399801	0.049210	0.0042	
72 7 2154532		80.98	-11.830	46.671	0.1532978	-0.002334		
72 7 21546 2	0.1332	82.11	-11.140	45.232	0.1349332	-0.072702	-0.0017	
72 7 21547 2	0.0319	84.45	-9.744	42.378	0.0320968	-0.131923	-0.0002	
72 7 2154732		85.66	-9.038	40.964	-0.0272865	-0.120763		
72 7 21548 2	-0.0771	86.89	-8.328	39.556	-0.0788212	-0.105761	0.0017	
72 7 2154832		88.14	-7.614	38.156	-0.1279410	-0.110250		
72 7 21549 2	-0.1841	89.42	-6.896	36.762	-0.1811029	-0.117871	-0.0030	
72 7 21550 2	-0.2784	92.03	-5.453	33.992	-0.2827266	-0.093426	0.0043	
72 7 2155032		93.36	-4.728	32.616	-0.3189693	-0.061353		
72 7 21551 2	-0.3411	94.72	-4.001	31.244	-0.3370134	-0.013899	-0.0041	
72 7 2155132		96.09	-3.273	29.876	-0.3290952	0.051123		
72 7 21552 2	-0.2903	97.47	-2.544	28.513	-0.2904119	0.112258	0.0001	
72 7 21553 2	-0.1515	100.29	-1.086	25.797	-0.1575507	0.158653	0.0061	
72 7 2155332		101.71	-0.358	24.443	-0.0867269	0.143900		
72 7 21554 2	-0.0335	103.15	0.370	23.092	-0.0244428	0.130670	-0.0091	
72 7 2155432		104.60	1.096	21.742	0.0382910	0.145784		
72 7 21555 2	0.1151	106.06	1.820	20.394	0.1093106	0.155332	0.0058	
72 7 21556 2	0.2197	109.00	3.262	17.700	0.2190297	0.056002	0.0007	
72 7 2155632		110.48	3.979	16.354	0.2212650	-0.052899		
72 7 21557 2	0.1678	111.97	4.692	15.008	0.1725355	-0.146579	-0.0047	
72 7 2155732		113.46	5.402	13.661	0.0966670	-0.170393		
72 7 21558 2	0.0258	114.95	6.108	12.313	0.0211749	-0.155387	0.0046	
72 7 21559 2	-0.1028	117.95	7.505	9.613	-0.1000971	-0.102121	-0.0027	
72 7 2155932		119.45	8.196	8.260	-0.1387146	-0.063858		
72 7 216 0 2	-0.1588	120.94	8.882	6.904	-0.1598627	-0.030787	0.0011	
72 7 216 032		122.44	9.561	5.546	-0.1699279	-0.015831		
72 7 216 1 2	-0.1761	123.93	10.234	4.184	-0.1765215	-0.014134	0.0004	
72 7 216 2 2	-0.1991	126.91	11.560	1.449	-0.1970410	-0.035905	-0.0021	

72 7 216 232		128.38	12.212	0.076	-0.2187157	-0.059377		
72 7 216 3 2	-0.2487	129.85	12.856	-1.302	-0.2513731	-0.079648	0.0027	
72 7 216 332		131.32	13.492	-2.685	-0.2899861	-0.085138		
72 7 216 4 2	-0.3300	132.77	14.120	-4.073	-0.3288399	-0.083179	-0.0012	
72 7 216 5 2	-0.4052	135.65	15.348	-6.865	-0.4037174	-0.078933	-0.0015	
72 7 216 532		137.07	15.947	-8.270	-0.4396396	-0.076645		
72 7 216 6 2	-0.4700	138.48	16.537	-9.681	-0.4727512	-0.063066	0.0028	
72 7 216 632		139.88	17.116	-11.099	-0.4944099	-0.027000		
72 7 216 7 2	-0.4969	141.26	17.685	-12.523	-0.4956466	0.022315	-0.0013	
72 7 216 8 2	-0.4268	143.98	18.789	-15.393	-0.4251486	0.133076	-0.0017	
72 7 216 832		145.31	19.323	-16.838	-0.3496717	0.194523		
72 7 216 9 2	-0.2439	146.62	19.845	-18.291	-0.2471574	0.245447	0.0033	
72 7 216 932		147.92	20.355	-19.751	-0.1268876	0.271320		
72 7 21610 2	-0.0015	149.20	20.852	-21.219	0.008829	0.281046	-0.0024	
72 7 21611 2	0.2619	151.69	21.807	-24.177	0.2615899	0.278830	0.0003	
72 7 2161132		152.91	22.263	-25.667	0.3878565	0.266886		
72 7 21612 2	0.5071	154.09	22.705	-27.165	0.5060320	0.242003	0.0011	
72 7 2161232		155.26	23.133	-28.671	0.6084365	0.198448		
72 7 21613 2	0.6865	156.41	23.547	-30.185	0.6877893	0.145240	-0.0013	
72 7 21614 2	0.7731	158.62	24.327	-33.234	0.7720507	0.036829	0.0010	
72 7 2161432		159.69	24.694	-34.770	0.7763364	-0.018376		
72 7 21615 2	0.7563	160.73	25.045	-36.312	0.7570855	-0.060595	-0.0008	
72 7 2161532		161.74	25.379	-37.862	0.7244778	-0.076208		
72 7 21616 2	0.6888	162.72	25.698	-39.419	0.6883954	-0.080924	0.0004	
72 7 21617 2	0.6042	164.61	26.283	-42.551	0.6041178	-0.104839	0.0001	
72 7 2161732		165.51	26.550	-44.126	0.5514624	-0.124041		
72 7 21618 2	0.4886	166.37	26.799	-45.707	0.4888724	-0.147873	-0.0003	
72 7 2161832		167.21	27.031	-47.293	0.4142354	-0.176156		
72 7 21619 2	0.3266	168.02	27.244	-48.884	0.3267551	-0.200953	-0.0002	
72 7 21620 2	0.1315	169.53	27.617	-52.079	0.1305916	-0.216332	0.0009	
72 7 2162032		170.24	27.776	-53.682	0.0324401	-0.206907		
72 7 21621 2	-0.0607	170.92	27.917	-55.289	-0.0594439	-0.190884	-0.0013	
72 7 2162132		171.56	28.038	-56.898	-0.1435368	-0.173063		
72 7 21622 2	-0.2182	172.17	28.141	-58.510	-0.2189769	-0.153502	0.0008	
72 7 21623 2	-0.3487	173.28	28.291	-61.738	-0.3488259	-0.109294	0.0001	
72 7 2162332		173.79	28.337	-63.354	-0.3856661	-0.084647		
72 7 21624 2	-0.4192	174.26	28.364	-64.970	-0.4186161	-0.057585	-0.0006	
72 7 2162432		174.70	28.373	-66.585	-0.4383501	-0.027367		
72 7 21625 2	-0.4439	175.09	28.362	-68.200	-0.4448604	0.001730	0.0002	
72 7 21626 2	-0.4207	175.78	28.285	-71.426	-0.4213898	0.043788	0.0007	
72 7 2162632		176.08	28.218	-73.036	-0.3979722	0.056747		
72 7 21627 2	-0.3710	176.33	28.132	-74.643	-0.3701423	0.062234	-0.0009	
72 7 2162732		176.55	28.028	-76.246	-0.3419797	0.058158		
72 7 21628 2	-0.3177	176.73	27.905	-77.846	-0.3171744	0.049316	-0.0005	
72 7 21629 2	-0.2770	176.98	27.605	-81.033	-0.2797727	0.031714	0.0028	
72 7 2162932		177.06	27.428	-82.619	-0.2671524	0.022954		
72 7 21630 2	-0.2621	177.09	27.233	-84.200	-0.2583268	0.015819	-0.0038	
72 7 2163032		177.09	27.020	-85.775	-0.2520515	0.011899		
72 7 21631 2	-0.2450	177.05	26.790	-87.344	-0.2472177	0.008771	0.0022	
72 7 21632 2	-0.2431	176.86	26.279	-90.462	-0.2437675	-0.002388	0.0007	
72 7 2163232		176.71	25.999	-92.011	-0.2466616	-0.018420		
72 7 21633 2	-0.2552	176.52	25.702	-93.552	-0.2528648	-0.015062	-0.0023	
72 7 2163332		176.30	25.389	-95.086	-0.2592748	-0.011291		
72 7 21634 2	-0.2606	176.03	25.060	-96.612	-0.2623343	-0.001289	0.0017	
72 7 21635 2	-0.2500	175.40	24.356	-99.640	-0.2499237	0.030871	-0.0001	
72 7 2163532		175.04	23.982	-101.142	-0.2367092	0.053031		
72 7 21636 2	-0.2013	174.63	23.593	-102.636	-0.2083269	0.079295	-0.0010	
72 7 2163632		174.28	23.189	-104.121	-0.1568464	0.109734		
72 7 21637 2	-0.0978	173.72	22.772	-105.599	-0.0987426	0.141678	0.0009	
72 7 21638 2	0.0607	172.66	21.897	-108.528	0.0611464	0.203946	-0.0004	
72 7 2163832		172.09	21.439	-109.979	0.1622527	0.233069		
72 7 21639 2	0.2775	171.47	20.969	-111.423	0.2773998	0.265007	0.0001	
72 7 2163932		170.83	20.487	-112.858	0.4004295	0.302543		
72 7 21640 2	0.5862	170.14	19.993	-114.286	0.5562045	0.335714	0.0000	
72 7 21641 2	0.8848	168.68	18.970	-117.117	0.8839998	0.366356	0.0000	

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ERAD = 376859.9
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ELON = -5.146606, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DREIT = 0.2000000
CONFAC = 1.083000
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YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	nm/s**2	Hz
72 7 2132453	-0.3880	57.33	-27.750	91.774	-0.3879422	-0.205533	-0.0001
72 7 2132553	-0.3175	57.12	-27.418	88.154	-0.3190605	0.269988	0.0016
72 7 2132623		57.09	-27.217	86.353	-0.1786693	0.317080	
72 7 2132653	-0.0460	57.10	-26.993	84.559	-0.0389542	0.281824	-0.0070
72 7 2132753	0.1632	57.26	-26.478	80.993	0.1482157	0.098521	0.0150
72 7 2132823		57.41	-26.188	79.223	0.1609748	-0.049507	
72 7 2132853	0.0885	57.60	-25.876	77.463	0.1054857	-0.178079	-0.0170
72 7 2132923		57.85	-25.544	75.712	0.0083356	-0.230069	
72 7 2132953	-0.0913	58.13	-25.191	73.972	-0.0971245	-0.218196	0.0058
72 7 2133053	-0.2199	58.85	-24.425	70.525	-0.2325030	-0.040915	0.0126
72 7 2133123		59.27	-24.013	68.819	-0.2151864	0.124468	
72 7 2133153	-0.1434	59.74	-23.583	67.125	-0.1221012	0.260353	-0.0213
72 7 2133223		60.25	-23.136	65.443	0.0082409	0.285992	
72 7 2133253	0.1423	60.81	-22.670	63.773	0.1319545	0.246543	0.0103
72 7 2133353	0.3123	62.05	-21.690	60.471	0.3016818	0.107782	0.0106
72 7 2133423		62.73	-21.176	58.840	0.3292838	0.008480	
72 7 2133453	0.2910	63.46	-20.647	57.221	0.3123424	-0.072379	-0.0213
72 7 2133523		64.22	-20.104	55.614	0.2712116	-0.096344	
72 7 2133553	0.2407	65.03	-19.547	54.020	0.2288962	-0.084477	0.0118
72 7 2133653	0.1856	66.76	-18.393	50.870	0.1777861	-0.016365	0.0078
72 7 2133723		67.69	-17.798	49.313	0.1826435	0.039874	
72 7 2133753	0.1853	68.65	-17.191	47.768	0.2037645	0.025654	-0.0185
72 7 2133823		69.65	-16.574	46.236	0.1823808	-0.144244	
72 7 2133853	0.0775	70.68	-15.945	44.714	0.0657424	-0.345440	0.0118
72 7 2133953	-0.3352	72.86	-14.661	41.705	-0.3386113	-0.468280	0.0034
72 7 2134023		74.00	-14.005	40.217	-0.5402884	-0.389968	
72 7 2134053	-0.6978	75.17	-13.341	38.739	-0.6848512	-0.221774	-0.0129
72 7 2134123		76.37	-12.669	37.271	-0.7317719	0.032909	
72 7 2134153	-0.6438	77.60	-11.991	35.813	-0.6563488	0.275214	0.0125
72 7 2134253	-0.3063	80.16	-10.615	32.924	-0.2985280	0.425562	-0.0078
72 7 2134323		81.48	-9.919	31.492	-0.1190060	0.333661	
72 7 2134353	0.0151	82.82	-9.217	30.069	0.0122724	0.259432	0.0028
72 7 2134423		84.19	-8.511	28.654	0.1431281	0.331956	
72 7 2134453	0.3270	85.59	-7.801	27.245	0.3228893	0.431075	0.0041
72 7 2134553	0.6987	88.45	-6.371	24.450	0.7116331	0.348563	-0.0129
72 7 2134623		89.91	-5.652	23.061	0.8342245	0.166976	
72 7 2134653	0.8806	91.39	-4.931	21.678	0.8639059	-0.026898	0.0167
72 7 2134723		92.90	-4.209	20.300	0.8200356	-0.051663	
72 7 2134753	0.7218	94.42	-3.485	18.927	0.7319096	-0.224115	-0.0101
72 7 2134853	0.4945	97.51	-2.035	16.194	0.4964433	0.262164	-0.0019
72 7 2134923		99.07	-1.310	14.833	0.3819889	-0.227779	
72 7 2134953	0.2934	100.65	-0.585	13.475	0.2836230	-0.209645	0.0098

72 7 2135023		102.25	0.138	12.120	0.1779345	-0.259620	
72 7 2135053	0.0321	103.85	0.860	10.767	0.0426375	-0.317765	-0.0105
72 7 2135153	-0.2404	107.09	2.299	8.066	-0.2486691	-0.278682	0.0083
72 7 2135223		108.72	3.015	6.717	-0.3568711	-0.181478	
72 7 2135253	-0.4229	110.35	3.728	5.369	-0.4172667	-0.091006	-0.0056
72 7 2135329		112.32	4.579	3.751	-0.4571485	-0.063628	
72 7 21354 5	-0.4985	114.30	5.425	2.134	-0.5018219	-0.092374	0.0033
72 7 2135518	-0.6319	118.31	7.120	-1.151	-0.6303018	-0.135152	-0.0016
72 7 2135548		119.97	7.808	-2.584	-0.6963298	-0.150643	
72 7 2135618	-0.7619	121.61	8.491	-3.858	-0.7618682	-0.117195	0.0000
72 7 2135648		123.26	9.168	-5.215	-0.7896555	0.012952	
72 7 2135718	-0.7454	124.90	9.839	-6.575	-0.7474216	0.159340	0.0020
72 7 2135818	-0.5385	128.18	11.160	-9.303	-0.5342051	0.259723	-0.0043
72 7 2135848		129.80	11.810	-10.673	-0.4224411	0.213686	
72 7 2135918	-0.3348	131.42	12.452	-12.047	-0.3399785	0.147584	0.0052
72 7 2135948		133.03	13.087	-13.425	-0.2824804	0.105468	
72 7 214 018	-0.2429	134.62	13.712	-14.808	-0.2397137	0.082050	-0.0032
72 7 214 118	-0.1715	137.79	14.938	-17.589	-0.1711661	0.075344	-0.0003
72 7 214 148		139.35	15.536	-18.988	-0.1330317	0.092064	
72 7 214 218	-0.0832	140.89	16.125	-20.392	-0.0854254	0.113553	0.0022
72 7 214 248		142.43	16.704	-21.803	-0.0287695	0.131211	
72 7 214 318	0.0342	143.94	17.272	-23.219	0.0351793	0.145299	-0.0010
72 7 214 418	0.1770	146.92	18.376	-26.072	0.1787991	0.163582	-0.0018
72 7 214 448		148.38	18.910	-27.508	0.2554260	0.167775	
72 7 214 518	0.3353	149.82	19.433	-28.951	0.3317906	0.159455	0.0035
72 7 214 548		151.24	19.944	-30.401	0.3993137	0.129397	
72 7 214 618	0.4466	152.64	20.442	-31.858	0.4499037	0.090438	-0.0033
72 7 214 718	0.5039	155.36	21.400	-34.794	0.5016536	0.024263	0.0022
72 7 214 748		156.69	21.859	-36.273	0.5064231	-0.002951	
72 7 214 818	0.4989	157.99	22.304	-37.759	0.5003967	-0.020637	-0.0015
72 7 214 848		159.27	22.735	-39.253	0.4896946	-0.023196	
72 7 214 918	0.4809	160.52	23.151	-40.753	0.4796668	-0.021280	0.0012
72 7 2141018	0.4540	162.93	23.940	-43.776	0.4551267	-0.035995	-0.0011
72 7 2141048		164.10	24.311	-45.298	0.4349039	-0.052630	
72 7 2141118	0.4061	165.23	24.667	-46.827	0.4052193	-0.077793	0.0009
72 7 2141148		166.34	25.007	-48.363	0.3613940	-0.113850	
72 7 2141218	0.3002	167.41	25.331	-49.905	0.3003938	-0.147984	-0.0002
72 7 2141318	0.1473	169.46	25.929	-53.008	0.1488820	-0.172113	-0.0008
72 7 2141348		170.44	26.203	-54.569	0.0703565	-0.162100	
72 7 2141418	0.0006	171.38	26.460	-56.135	-0.0705910	-0.145557	0.0012
72 7 2141448		172.30	26.700	-57.706	-0.0642974	-0.130660	
72 7 2141518	-0.1214	173.16	26.922	-59.282	-0.1209707	-0.114022	-0.0004
72 7 2141618	-0.2063	174.81	27.313	-62.448	-0.2053488	-0.065313	-0.0010
72 7 2141648		175.59	27.482	-64.036	-0.2282995	-0.033240	
72 7 2141718	-0.2345	176.31	27.633	-65.628	-0.2362905	-0.002771	0.0018
72 7 2141748		177.02	27.765	-67.223	-0.2321377	0.019369	
72 7 2141818	-0.2208	177.67	27.879	-68.820	-0.2191358	0.036776	-0.0017
72 7 2141918	-0.1692	178.87	28.052	-72.021	-0.1703082	0.068239	0.0011
72 7 2141948		179.42	28.111	-73.622	-0.1355114	0.082296	
72 7 2142018	-0.0966	179.92	28.151	-75.225	-0.0958153	0.086638	-0.0008
72 7 2142048		180.40	28.173	-76.828	-0.0583305	0.072674	
72 7 2142118	-0.0289	180.82	28.176	-78.430	-0.0298084	0.051567	0.0009
72 7 2142218	0.0014	181.56	28.127	-81.632	0.0026387	0.021389	-0.0012
72 7 2142248		181.88	28.074	-83.230	0.0102667	0.012321	
72 7 2142318	0.0154	182.14	28.003	-84.826	0.0140372	0.003393	0.0014
72 7 2142348		182.38	27.914	-86.419	0.0128230	-0.009275	
72 7 2142418	0.0042	182.56	27.807	-88.009	0.0052403	-0.023461	-0.0010
72 7 2142518	-0.0283	182.82	27.539	-91.178	-0.0287724	-0.049747	0.0005
72 7 2142548		182.90	27.378	-92.755	-0.0545625	-0.061846	
72 7 2142618	-0.0847	182.91	27.200	-94.328	-0.0846726	-0.066113	0.0000
72 7 2142648		182.91	27.004	-95.895	-0.1133046	-0.055411	
72 7 2142718	-0.1350	182.85	26.791	-97.458	-0.1347065	-0.037358	-0.0003
72 7 2142818	-0.1522	182.62	26.314	-100.564	-0.1528111	-0.002031	0.0006
72 7 2142848		182.46	26.051	-102.106	-0.1497509	0.015242	
72 7 2142918	-0.1391	182.23	25.771	-103.643	-0.1383352	0.035134	-0.0008
72 7 2142948		181.99	25.476	-105.172	-0.1164593	0.060539	

72 7 2143018	-0.0815	181.68	25.164	-106.695	-0.0821036	0.088115	0.0006
72 7 2143118	0.0232	180.98	24.495	-109.716	0.0234822	0.139815	-0.0003
72 7 2143148		180.58	24.138	-111.215	0.0936532	0.163937	
72 7 2143218	0.1751	180.11	23.766	-112.707	0.1750375	0.189256	0.0001
72 7 2143318	0.3770	179.09	22.980	-115.667	0.3770023	0.250572	0.0000

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DIFIT = 0.2000000

CONCAC = 1.083000

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72 7 3131714	-0.1219	58.61	-28.124	93.537	-0.1218519	-0.015437	0.0000
72 7 3131814	-0.0958	57.66	-28.166	89.883	-0.0970992	0.092087	0.0013
72 7 3131844		57.25	-28.150	88.054	-0.0315275	0.197695	
72 7 3131914	0.0760	56.89	-28.111	86.226	0.0818357	0.280099	-0.0059
72 7 3132014	0.3419	56.31	-27.960	82.573	0.3294185	0.202147	0.0125
72 7 3132044		56.09	-27.848	80.750	0.3888419	0.041752	
72 7 3132114	0.3528	55.91	-27.713	78.931	0.3671451	-0.124096	-0.0143
72 7 3132144		55.78	-27.554	77.117	0.2850083	-0.220014	
72 7 3132214	0.1794	55.70	-27.371	75.308	0.1736186	-0.253415	0.0058
72 7 3132314	-0.0235	55.69	-26.938	71.710	-0.0319331	-0.155119	0.0084
72 7 3132344		55.75	-26.687	69.922	-0.0752648	-0.023396	
72 7 3132414	-0.0700	55.86	-26.414	68.142	-0.0562284	0.090900	-0.0138
72 7 3132444		56.01	-26.119	66.371	-0.0051508	0.115363	
72 7 3132514	0.0423	56.22	-25.803	64.610	0.0420766	0.086430	0.0002
72 7 3132614	0.1003	56.77	-25.108	61.119	0.0769258	-0.022235	0.0234
72 7 3132644		57.11	-24.731	59.389	0.0489010	-0.011976	
72 7 3132714	-0.0478	57.50	-24.334	57.671	-0.0131516	-0.155221	-0.0346
72 7 3132744		57.94	-23.918	55.965	-0.0836685	-0.138567	
72 7 3132814	-0.1154	58.42	-23.484	54.270	-0.1364787	-0.091868	0.0211
72 7 3132914	-0.1836	59.52	-22.563	50.919	-0.1887431	-0.027874	0.0051
72 7 3132944		60.14	-22.072	49.262	-0.1972442	-0.010584	
72 7 3133014	-0.2294	60.80	-21.575	47.618	-0.2097952	-0.066590	-0.0196
72 7 3133044		61.50	-21.057	45.986	-0.2797998	-0.259440	
72 7 3133114	-0.4397	62.25	-20.524	44.367	-0.4512834	-0.464951	0.0116
72 7 3133214	-0.9431	63.87	-19.417	41.167	-0.9503593	-0.541764	0.0073
72 7 3133244		64.74	-18.843	39.586	-1.1750754	-0.413012	
72 7 3133314	-1.3297	65.65	-18.256	38.018	-1.3111829	-0.150727	-0.0185
72 7 3133344		66.60	-17.658	36.462	-1.2902451	0.267382	
72 7 3133414	-1.0483	67.58	-17.048	34.917	-1.0641037	0.686944	0.0158
72 7 3133514	-0.2135	69.67	-15.796	31.864	-0.2068062	1.068184	-0.0067
72 7 3133544		70.77	-15.156	30.354	0.2834251	1.029788	
72 7 3133614	0.7218	71.90	-14.506	28.856	0.7212824	0.843330	0.0005
72 7 3133644		73.07	-13.848	27.368	1.0400085	0.513299	
72 7 3133714	1.1942	74.27	-13.181	25.890	1.1934135	0.171200	0.0008
72 7 3133814	1.1638	76.77	-11.827	22.965	1.1640173	-0.155379	-0.0002
72 7 3133844		78.06	-11.140	21.516	1.0912802	-0.139801	

72 7 3133914	1.0375	79.38	-10.447	20.076	1.0378639	-0.105137	-0.0004
72 7 3133944		80.74	-9.749	18.645	0.9817230	-0.151552	
72 7 3134014	0.8955	82.11	-9.046	17.222	0.8944773	-0.220416	0.0010
72 7 3134114	0.6645	84.95	-7.627	14.399	0.6663203	-0.249660	-0.0018
72 7 3134144		86.40	-6.913	12.997	0.5588017	-0.210824	
72 7 3134214	0.4734	87.88	-6.195	11.603	0.4710582	-0.179035	0.0023
72 7 3134244		89.38	-5.475	10.214	0.3852620	-0.201501	
72 7 3134314	0.2799	90.90	-4.753	8.831	0.2823272	-0.241356	-0.0024
72 7 3134414	0.0451	93.99	-3.305	6.080	0.0427750	-0.265067	0.0023
72 7 3134444		95.57	-2.580	4.711	-0.0766051	-0.248912	
72 7 3134514	-0.1867	97.15	-1.854	3.346	-0.1848102	-0.218121	-0.0019
72 7 3134544		98.76	-1.129	1.985	-0.2763724	-0.176709	
72 7 3134614	-0.3479	100.38	-0.405	0.626	-0.3484228	-0.138178	0.0005
72 7 3134714	-0.4566	103.65	1.041	-2.083	-0.4580505	-0.110183	0.0015
72 7 3134744		105.30	1.761	-3.435	-0.5107306	-0.120727	
72 7 3134814	-0.5698	106.96	2.479	-4.785	-0.5673234	-0.116971	-0.0025
72 7 3134844		108.63	3.194	-6.134	-0.6118143	-0.068244	
72 7 3134914	-0.6259	110.30	3.906	-7.483	-0.6275769	-0.001548	0.0017
72 7 3135014	-0.5771	113.66	5.320	-10.181	-0.5771140	0.104848	0.0000
72 7 3135044		115.35	6.021	-11.530	-0.5191908	0.144543	
72 7 3135114	-0.4470	117.03	6.717	-12.881	-0.4462215	0.167534	-0.0008
72 7 3135144		118.73	7.408	-14.233	-0.3682486	0.166137	
72 7 3135214	-0.2958	120.41	8.094	-15.587	-0.2954268	0.147776	-0.0004
72 7 3135314	-0.1837	123.78	9.449	-18.301	-0.1862094	0.082429	0.0025
72 7 3135344		125.46	10.116	-19.662	-0.1586299	0.035440	
72 7 3135414	-0.1547	127.13	10.777	-21.026	-0.1511944	0.003316	-0.0035
72 7 3135444		128.80	11.431	-22.394	-0.1495283	0.010446	
72 7 3135514	-0.1365	130.46	12.078	-23.766	-0.1386780	0.036244	0.0022
72 7 3135614	-0.0831	133.75	13.347	-26.522	-0.0834514	0.082099	0.0004
72 7 3135644		135.38	13.969	-27.906	-0.0408395	0.102154	
72 7 3135714	0.0076	137.00	14.582	-29.297	0.0095625	0.113698	-0.0020
72 7 3135744		138.61	15.186	-30.692	0.0618220	0.110146	
72 7 3135814	0.1118	140.20	15.780	-32.093	0.1098040	0.097084	0.0020
72 7 3135914	0.1818	143.34	16.938	-34.912	0.1831617	0.059194	-0.0014
72 7 3135944		144.88	17.501	-36.330	0.2049124	0.034364	
72 7 314 014	0.2167	146.41	18.054	-37.756	0.2157982	0.015409	0.0009
72 7 314 044		147.92	18.595	-39.187	0.2215495	0.012114	
72 7 314 114	0.2274	149.40	19.124	-40.626	0.2281224	0.016221	-0.0007
72 7 314 144	0.2466	152.31	20.147	-43.524	0.2459677	0.021859	0.0006
72 7 314 214		153.74	20.639	-44.983	0.2564475	0.023390	
72 7 314 244	0.2649	155.14	21.119	-46.449	0.2654413	0.011118	-0.0005
72 7 314 314		156.51	21.585	-47.923	0.2625937	-0.027912	
72 7 314 344	0.2390	157.86	22.037	-49.404	0.2385981	-0.073918	0.0004
72 7 314 414	0.1414	160.48	22.901	-52.387	0.1416315	-0.127588	-0.0002
72 7 314 444		161.75	23.310	-53.890	0.0804597	-0.135245	
72 7 314 514	0.0186	162.99	23.786	-55.400	0.0181958	-0.133519	0.0004
72 7 314 544		164.21	24.085	-56.916	-0.0419060	-0.125814	
72 7 314 614	-0.0986	165.38	24.450	-58.440	-0.0971556	-0.112775	-0.0014
72 7 314 644	-0.1812	167.66	25.132	-61.507	-0.1841929	-0.072619	0.0030
72 7 314 714		168.75	25.448	-63.050	-0.2116433	-0.045499	
72 7 314 744	-0.2294	169.80	25.749	-64.600	-0.2260672	-0.017469	-0.0033
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72 7 314 914	-0.1705	173.69	26.781	-70.854	-0.1734090	0.067682	0.0029
72 7 314 944		174.58	26.996	-72.429	-0.1385993	0.082678	
72 7 314 1014	-0.1030	175.43	27.193	-74.010	-0.0981238	0.090814	-0.0049
72 7 314 1114		176.25	27.372	-75.594	-0.0564709	0.087735	
72 7 314 1214	-0.0153	177.02	27.533	-77.182	-0.0183923	0.076339	0.0031
72 7 314 1314	0.0363	178.46	27.801	-80.367	0.0357352	0.037288	0.0006
72 7 314 1414		179.13	27.908	-81.963	0.0467759	0.009631	
72 7 314 1514	0.0427	179.75	27.996	-83.561	0.0453876	-0.013104	-0.0027
72 7 314 1614		180.34	28.066	-85.160	0.0370225	-0.020586	
72 7 314 1714	0.0289	180.87	28.118	-86.760	0.0269481	-0.024371	0.0020
72 7 314 1814	-0.0074	181.86	28.165	-89.961	-0.0075238	-0.055539	0.0001
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72 7 3141844		183.03	28.098	-94.756	-0.1289680	-0.094336	
72 7 3141914	-0.1658	183.33	28.038	-96.351	-0.1678479	-0.074341	0.0020
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72 7 3142114	-0.2281	184.15	27.619	-102.702	-0.2301968	0.006333	0.0021
72 7 3142144		184.25	27.470	-104.279	-0.2231727	0.023730	
72 7 3142214	-0.2098	184.31	27.303	-105.853	-0.2082465	0.041387	-0.0016
72 7 3142314	-0.1501	184.31	26.916	-108.985	-0.1508236	0.084788	0.0007
72 7 3142344		184.25	26.697	-110.542	-0.1058339	0.110533	
72 7 3142414	-0.0492	184.14	26.462	-112.093	-0.0490399	0.134483	-0.0002
72 7 3142514	0.0905	183.80	25.940	-115.176	0.0904941	0.163564	0.0000

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72 7 313 924	0.1994	65.26	-26.933	96.218	0.1993303	0.021868	0.0001
72 7 3131024	0.1452	63.54	-27.374	92.656	0.1470808	-0.061385	-0.0019
72 7 3131054		62.75	-27.561	90.863	0.1431443	0.062759	
72 7 3131124	0.2162	61.99	-27.725	89.062	0.2077066	0.204449	0.0085
72 7 3131224	0.4281	60.61	-27.984	85.442	0.4462369	0.262005	-0.0181
72 7 3131254		59.98	-28.078	83.625	0.5506850	0.177797	
72 7 3131324	0.6273	59.39	-28.148	81.803	0.6049585	0.058071	0.0223
72 7 3131354		58.86	-28.194	79.978	0.6049238	-0.057523	
72 7 3131424	0.5397	58.36	-28.216	78.151	0.5550979	-0.152081	-0.0154
72 7 3131524	0.3706	57.51	-28.187	74.494	0.3680432	-0.227887	0.0026
72 7 3131554		57.15	-28.137	72.666	0.2656899	-0.209098	
72 7 3131624	0.1852	56.84	-28.062	70.839	0.1786225	-0.166543	0.0066
72 7 3131654		56.57	-27.963	69.015	0.1134288	-0.114196	
72 7 3131724	0.0615	56.35	-27.841	67.194	0.0718336	-0.070542	-0.0103
72 7 3131824	0.0301	56.06	-27.524	63.565	0.0178064	-0.064556	0.0123
72 7 3131854		55.98	-27.331	61.758	-0.0196645	-0.102250	
72 7 3131924	-0.0855	55.95	-27.115	59.958	-0.0745129	-0.126376	-0.0110
72 7 3131954		55.97	-26.875	58.166	-0.1280071	-0.096260	
72 7 3132024	-0.1589	56.03	-26.614	56.381	-0.1606647	-0.048352	0.0018
72 7 3132124	-0.1689	56.38	-26.025	52.839	-0.1811395	-0.080421	0.0122
72 7 3132154		56.51	-25.699	51.082	-0.1861568	-0.016416	
72 7 3132224	-0.2149	56.76	-25.352	49.336	-0.1952524	-0.017630	-0.0196
72 7 3132254		57.06	-24.985	47.600	-0.1974758	0.013371	
72 7 3132324	-0.1708	57.41	-24.598	45.875	-0.1851913	0.029557	0.0144
72 7 3132424	-0.2124	58.24	-23.767	42.461	-0.2095680	-0.123565	-0.0028
72 7 3132454		58.72	-23.323	40.773	-0.3033470	-0.292933	
72 7 3132524	-0.4737	59.25	-22.863	39.096	-0.4676657	-0.382036	-0.0060
72 7 3132554		59.82	-22.385	37.432	-0.6218873	-0.248819	
72 7 3132624	-0.6720	60.44	-21.890	35.781	-0.6837447	-0.026563	0.0117
72 7 3132724	-0.5670	61.80	-20.855	32.516	-0.5505284	0.285694	-0.0165

72 7 3132754		62.54	-20.314	30.903	-0.3961271	0.375652	
72 7 3132824	-0.2121	63.33	-19.760	29.302	-0.2188071	0.367277	0.0067
72 7 3132854		64.16	-19.192	27.715	-0.0804904	0.286331	
72 7 3132924	-0.0101	65.03	-18.611	26.139	-0.0339298	0.088529	0.0238
72 7 3133024	-0.1544	66.88	-17.413	23.025	-0.1239713	-0.151093	-0.0304
72 7 31332 4		70.29	-15.330	17.965	-0.1371579	0.278198	
72 7 3133343	0.6727	74.09	-13.145	13.028	0.6263293	0.588643	0.0464
72 7 3133413		75.31	-12.469	11.561	0.8244361	0.338193	
72 7 3133443	0.8674	76.55	-11.787	10.104	0.9279285	0.138169	-0.0605
72 7 3133543	0.9590	79.14	-10.403	7.217	0.9484817	-0.055261	0.0185
72 7 3133613		80.48	-9.702	5.787	0.9155927	-0.040597	
72 7 3133643	0.9185	81.84	-8.997	4.364	0.9014452	-0.035981	0.0171
72 7 3133713		83.23	-8.288	2.949	0.8682468	-0.123890	
72 7 3133743	0.7663	84.65	-7.575	1.542	0.7833384	-0.239230	-0.0170
72 7 3133843	0.4930	87.55	-6.139	-1.253	0.4913443	-0.370846	0.0017
72 7 3133913		89.04	-5.417	-2.641	0.3152313	-0.386290	
72 7 3133943	0.1469	90.54	-4.693	-4.024	0.1391379	-0.372629	0.0078
72 7 3134013		92.07	-3.968	-5.402	-0.0250430	-0.334321	
72 7 3134043	-0.1734	93.61	-3.242	-6.775	-0.1676685	-0.283668	-0.0057
72 7 3134143	-0.3842	96.75	-1.788	-9.508	-0.3827116	-0.182052	-0.0015
72 7 3134213		98.34	-1.061	-10.869	-0.4550186	-0.131090	
72 7 3134243	-0.4982	99.95	-0.335	-12.228	-0.5040193	-0.081797	0.0058
72 7 3134313		101.57	0.390	-13.583	-0.5310572	-0.035868	
72 7 3134343	-0.5425	103.20	1.114	-14.937	-0.5377607	0.006059	-0.0047
72 7 3134443	-0.4972	106.49	2.555	-17.639	-0.4983735	0.076203	0.0012
72 7 3134513		108.15	3.271	-18.989	-0.4564932	0.104415	
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72 7 3134613		111.48	4.695	-21.687	-0.3434567	0.132507	
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72 7 3134843	-0.0194	119.87	8.180	-28.444	-0.0173017	0.152441	-0.0021
72 7 3134913		121.56	8.861	-29.801	0.0538432	0.155484	
72 7 3134943	0.1256	123.23	9.537	-31.160	0.1251758	0.151763	0.0004
72 7 3135043	0.2516	126.57	10.868	-33.887	0.2495225	0.109883	0.0021
72 7 3135113		128.23	11.522	-35.256	0.2918774	0.071631	
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72 7 3135213		131.54	12.809	-38.006	0.3241026	0.005448	
72 7 3135243	0.3239	133.17	13.440	-39.387	0.3222657	-0.011751	0.0016
72 7 3135343	0.3076	136.41	14.676	-42.165	0.3062368	-0.016340	0.0014
72 7 3135413		138.02	15.281	-43.561	0.3012224	-0.003720	
72 7 3135443	0.2995	139.60	15.875	-44.964	0.3024681	0.006744	-0.0030
72 7 3135513		141.18	16.460	-46.372	0.3052570	0.002959	
72 7 3135543	0.3053	142.74	17.034	-47.786	0.3034235	-0.012381	0.0019
72 7 3135643	0.2688	145.80	18.150	-50.634	0.2682704	-0.069673	0.0005
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72 7 3135743	0.1645	148.80	19.221	-53.587	0.1663837	-0.145880	-0.0019
72 7 3135813		150.27	19.738	-54.954	0.0957660	-0.155987	
72 7 3135843	0.0259	151.71	20.243	-56.489	0.0246657	-0.151386	0.0012
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72 7 314 013		155.92	21.680	-60.815	-0.1684879	-0.108547	
72 7 314 043	-0.2070	157.26	22.133	-62.298	-0.2056923	-0.087972	-0.0013
72 7 314 113		158.60	22.571	-63.788	-0.2419276	-0.069290	
72 7 314 143	-0.2686	159.89	22.995	-65.286	-0.2656678	-0.059212	0.0018
72 7 314 243	-0.2956	162.41	23.798	-68.383	-0.2984679	-0.040810	-0.0001
72 7 314 313		163.63	24.177	-69.821	-0.2911575	0.023126	
72 7 314 343	-0.2747	164.81	24.541	-71.348	-0.2742678	0.049291	-0.0004
72 7 314 413		165.97	24.888	-72.880	-0.2463475	0.079863	
72 7 314 443	-0.2097	167.09	25.220	-74.420	-0.2181523	0.063899	0.0005
72 7 314 543	-0.1343	169.25	25.834	-77.517	-0.1348542	0.072629	-0.0002
72 7 314 613		170.29	26.116	-79.874	-0.1086506	0.048310	
72 7 314 643	-0.0890	171.27	26.382	-80.638	-0.0891487	0.025993	0.0001
72 7 314 713		172.24	26.630	-82.206	-0.0792339	0.019749	
72 7 314 743	-0.0703	173.16	26.868	-83.788	-0.0788126	0.019449	-0.0003
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72 7 3141443	0.2135	182.27	28.186	-106.112	0.2139819	0.211336	-0.0005
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 DTELT = 0.2000000
 COMEAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hr	Km	Deg.	Deg.	Hr	mm/s**2	Hr
72 8 115 030	0.1836	73.96	-23.772	100.840	0.1836657	0.970941	-0.0001
72 8 115 130	0.2277	71.29	-24.632	97.494	0.2259251	0.014648	0.0018
72 8 115 2 0		70.00	-25.035	95.801	0.2234129	-0.327043	
72 8 115 230	0.1961	68.75	-25.420	94.094	0.2041159	-0.048174	-0.0080
72 8 115 330	0.2113	66.35	-26.131	90.643	0.1942012	0.860182	0.0171
72 8 115 4 0		65.21	-26.456	88.898	0.2499197	0.189604	
72 8 115 430	0.3424	64.11	-26.761	87.142	0.3629704	0.278922	-0.0206
72 8 115 5 0		63.05	-27.044	85.375	0.4862754	0.234161	
72 8 115 530	0.5811	62.03	-27.305	83.597	0.5689029	0.123531	0.0122
72 8 115 630	0.5821	60.12	-27.761	80.012	0.5794872	-0.101434	0.0026
72 8 115 7 0		59.23	-27.954	78.206	0.5063210	-0.215768	
72 8 115 730	0.3736	58.38	-28.124	76.393	0.3067417	-0.287983	-0.0131
72 8 115 8 0		57.58	-28.271	74.572	0.2536706	-0.374355	
72 8 115 830	0.1565	56.82	-28.393	72.745	0.1390220	-0.224579	0.0175
72 8 115 930	-0.0556	55.45	-28.565	69.077	-0.0358321	-0.162993	-0.0198
72 8 11510 0		54.83	-28.614	67.237	-0.1078835	-0.151398	
72 8 1151030	-0.1573	54.26	-28.639	65.395	-0.1758082	-0.142244	0.0187
72 8 11511 0		53.74	-28.638	63.551	-0.2379792	-0.124982	
72 8 1151130	-0.3001	53.27	-28.613	61.706	-0.2905274	-0.102113	-0.0096
72 8 1151230	-0.3647	52.48	-28.488	58.019	-0.3603672	-0.047897	-0.0043
72 8 11513 0		52.16	-28.388	56.179	-0.3743708	-0.014952	
72 8 1151330	-0.3662	51.89	-28.264	54.342	-0.3771701	-0.002295	0.0110
72 8 11514 0		51.67	-28.116	52.509	-0.3834018	-0.031715	
72 8 1151430	-0.4090	51.50	-27.943	50.681	-0.4059426	-0.057792	-0.0031
72 8 1151530	-0.4431	51.31	-27.525	47.044	-0.4308475	0.036357	-0.0123
72 8 11516 0		51.29	-27.281	45.236	-0.3881952	0.156360	
72 8 1151630	-0.2766	51.32	-27.614	43.437	-0.2970358	0.206854	0.0204

72 8 11517 0		51.41	-26.725	41.646	-0.2262128	0.068564	
72 8 1151730	-0.2571	51.54	-26.413	39.866	-0.2423309	-0.125540	-0.0148
72 8 1151830	-0.4522	51.96	-25.725	36.335	-0.4544850	-0.282642	0.0023
72 8 11519 0		52.25	-25.349	34.587	-0.5793894	-0.245677	
72 8 1151930	-0.6735	52.59	-24.953	32.850	-0.6794087	-0.196233	0.0059
72 8 11520 0		52.97	-24.538	31.125	-0.7685976	-0.198856	
72 8 1152030	-0.8691	53.41	-24.103	29.413	-0.8622201	-0.196247	-0.0069
72 8 1152130	-0.9688	54.43	-23.178	26.027	-0.9736736	-0.003487	0.0049
72 8 11522 0		55.01	-22.689	24.353	-0.9338057	0.186632	
72 8 1152230	-0.8007	55.64	-22.184	22.692	-0.7984858	0.395226	-0.0022
72 8 11523 0		56.32	-21.662	21.045	-0.5728385	0.578123	
72 8 1152330	-0.2769	57.04	-21.124	19.411	-0.2741433	0.699379	-0.0028
72 8 1152430	0.3878	58.63	-20.005	16.183	0.3783340	0.648754	0.0095
72 8 11525 0		59.49	-19.424	14.589	0.6419106	0.476920	
72 8 1152530	0.8075	60.39	-18.831	13.007	0.8202146	0.315000	-0.0127
72 8 11526 0		61.34	-18.224	11.439	0.9508759	0.270686	
72 8 1152630	1.0863	62.33	-17.606	9.883	1.0771744	0.271984	0.0091
72 8 1152730	1.2991	64.43	-16.336	6.808	1.3011500	0.195595	-0.0020
72 8 11528 0		65.55	-15.686	5.289	1.3745259	0.117921	
72 8 1152830	1.4046	66.70	-15.026	3.781	1.4070457	0.020874	-0.0024
72 8 11529 0		67.89	-14.357	2.284	1.3919067	-0.088527	
72 8 1152930	1.3278	69.11	-13.680	0.799	1.3253192	-0.197771	0.0025
72 8 1153030	1.0550	71.68	-12.303	-2.141	1.0555700	-0.378012	-0.0006
72 8 11531 0		73.01	-11.604	-3.596	0.8641922	-0.449015	
72 8 1153130	0.6444	74.37	-10.899	-5.042	0.6462771	-0.485485	-0.0019
72 8 11532 0		75.77	-10.188	-6.478	0.4245866	-0.465607	
72 8 1153230	0.2268	77.20	-9.472	-7.906	0.2204188	-0.419334	0.0064
72 8 1153330	-0.1403	80.14	-8.027	-10.738	-0.1278938	-0.337486	-0.0124
72 8 11534 0		81.66	-7.299	-12.143	-0.2753374	-0.301911	
72 8 1153430	-0.3929	83.20	-6.568	-13.540	-0.4073204	-0.270601	0.0144
72 8 11535 0		84.76	-5.835	-14.932	-0.5259706	-0.244285	
72 8 1153530	-0.6402	86.35	-5.099	-16.317	-0.6323658	-0.214617	-0.0078
72 8 1153630	-0.7940	89.59	-3.623	-19.071	-0.7905667	-0.120264	-0.0034
72 8 11537 0		91.25	-2.884	-20.441	-0.8316041	-0.055586	
72 8 1153730	-0.8323	92.92	-2.144	-21.807	-0.8420189	-0.008240	0.0097
72 8 11538 0		94.61	-1.405	-23.169	-0.8260657	0.058644	
72 8 1153830	-0.7949	96.31	-0.666	-24.527	-0.7882913	0.106284	-0.0066
72 8 1153930	-0.6387	99.77	0.808	-27.235	-0.6377110	0.225107	-0.0010
72 8 11540 0		101.51	1.543	-28.587	-0.5176687	0.296288	
72 8 1154030	-0.3634	103.27	2.275	-29.936	-0.3689688	0.335997	0.0056
72 8 11541 0		105.04	3.004	-31.284	-0.2183197	0.304896	
72 8 1154130	-0.0967	106.82	3.731	-32.631	-0.0920915	0.243596	-0.0046
72 8 1154230	0.0886	110.40	5.173	-35.325	0.0874714	0.152287	0.0011
72 8 11543 0		112.19	5.889	-36.673	0.1504424	0.122274	
72 8 1154330	0.2020	113.99	6.599	-38.021	0.2007567	0.094760	0.0012
72 8 11544 0		115.79	7.305	-39.370	0.2371107	0.061844	
72 8 1154430	0.2567	117.60	8.005	-40.721	0.2584793	0.033963	-0.0018
72 8 1154530	0.2784	121.20	9.388	-43.430	0.2767855	0.015683	0.0016
72 8 11546 0		123.00	10.070	-44.788	0.2861823	0.027277	
72 8 1154630	0.3021	124.80	10.745	-46.149	0.3034869	0.048706	-0.0011
72 8 11547 0		126.59	11.412	-47.514	0.3321020	0.076298	
72 8 1154730	0.3731	128.37	12.073	-48.882	0.3721090	0.091996	0.0010
72 8 1154830	0.4388	131.91	13.369	-51.632	0.4392669	0.033492	-0.0005
72 8 11549 0		133.67	14.005	-53.813	0.4987569	-0.046695	
72 8 1154930	0.4022	135.42	14.631	-54.400	0.4019123	-0.113404	0.0003
72 8 11550 0		137.16	15.240	-55.792	0.3391210	-0.153152	
72 8 1155030	0.2633	138.88	15.856	-57.189	0.2641445	-0.169192	-0.0008
72 8 1155130	0.1105	142.28	17.044	-60.002	0.1007109	-0.157822	0.0018
72 8 11552 0		143.95	17.617	-61.417	0.0416247	-0.134418	
72 8 1155230	-0.0143	145.61	18.182	-62.839	0.0122561	-0.106565	-0.0020
72 8 11553 0		147.25	18.736	-64.268	-0.0680972	-0.104306	
72 8 1155330	-0.1083	148.87	19.278	-65.703	-0.1090687	-0.105297	0.0008
72 8 1155430	-0.1896	152.05	20.325	-68.594	-0.1909575	-0.062015	0.0014
72 8 11555 0		153.61	20.830	-70.951	-0.2899485	-0.017750	
72 8 1155530	-0.2101	155.14	21.322	-71.515	-0.2875153	0.025399	-0.0026
72 8 11556 0		156.65	21.800	-72.986	-0.1891888	0.051199	

72 8 1155630	-0.1602	158.13	22.265	-74.464	-0.1623539	0.063255	0.0022
72 8 1155730	-0.1047	161.01	23.151	-77.443	-0.1037592	0.056888	-0.0009
72 8 1155800		162.41	23.572	-78.944	-0.0813586	0.038470	
72 8 1155830	-0.0680	163.78	23.979	-80.451	-0.0679981	0.021618	0.0000
72 8 1155900		165.12	24.370	-81.966	-0.0593502	0.018065	
72 8 1155930	-0.0490	166.43	24.745	-83.488	-0.0504309	0.020273	0.0006
72 8 116 030	-0.0328	168.96	25.448	-86.553	-0.0315816	0.019373	-0.0012
72 8 116 100		170.18	25.775	-88.095	-0.0232879	0.016265	
72 8 116 130	-0.0156	171.36	26.086	-89.644	-0.0169828	0.010434	0.0014
72 8 116 200		172.51	26.380	-91.198	-0.0142176	0.000934	
72 8 116 230	-0.0159	173.62	26.656	-92.759	-0.0152596	-0.002970	-0.0006
72 8 116 300	-0.0062	175.74	27.157	-95.896	-0.0055953	0.033811	-0.0006
72 8 116 400		176.74	27.381	-97.472	0.0188299	0.074488	
72 8 116 430	0.0654	177.71	27.587	-99.053	0.0640592	0.120828	0.0013
72 8 116 500		178.64	27.775	-100.638	0.1298456	0.163600	
72 8 116 530	0.2135	179.53	27.945	-102.226	0.2146534	0.203311	-0.0012
72 8 116 630	0.4368	181.19	28.230	-105.412	0.4362583	0.274961	0.0005
72 8 116 700		181.97	28.345	-107.009	0.5706585	0.306901	
72 8 116 730	0.7198	182.70	28.441	-108.608	0.7199200	0.340652	-0.0001
72 8 116 830	1.0723	184.04	28.577	-111.809	1.0722955	0.426720	0.0000

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DIFIT = 0.2000000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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72 8 2145242	0.1115	86.61	-19.673	101.972	0.1115227	-0.005119	0.0000
72 8 2145342	0.2236	83.34	-20.789	98.858	0.2229884	0.184189	0.0006
72 8 2145412		81.75	-21.327	97.280	0.3010740	0.138532	
72 8 2145442	0.3424	80.18	-21.851	95.687	0.3451615	0.055682	-0.0028
72 8 2145542	0.3463	77.12	-22.856	92.459	0.3484271	-0.053177	0.0059
72 8 2145612		75.64	-23.335	90.824	0.3091794	-0.079036	
72 8 2145642	0.2690	74.19	-23.797	89.174	0.2756593	-0.051539	-0.0067
72 8 2145712		72.76	-24.243	87.511	0.2750764	0.063624	
72 8 2145742	0.3364	71.38	-24.672	85.833	0.3341079	0.176777	0.0023
72 8 2145842	0.5079	68.70	-25.474	82.436	0.5029773	0.127838	0.0049
72 8 2145912		67.42	-25.846	80.717	0.5281160	-0.034209	
72 8 2145942	0.4620	66.17	-26.199	78.986	0.4703948	-0.202631	-0.0084
72 8 215 012		64.97	-26.532	77.242	0.3531936	-0.291975	
72 8 215 042	0.2143	63.80	-26.843	75.486	0.2099434	-0.321854	0.0044
72 8 215 142	-0.0683	61.59	-27.402	71.939	-0.0718238	-0.261840	0.0035
72 8 215 212		60.55	-27.648	70.150	-0.1734871	-0.171987	
72 8 215 242	-0.2418	59.55	-27.872	68.351	-0.2333442	-0.099896	-0.0085
72 8 215 312		58.59	-28.072	66.543	-0.2773576	-0.103382	
72 8 215 342	-0.3244	57.68	-28.249	64.727	-0.3326194	-0.131653	0.0082
72 8 215 442	-0.4580	55.99	-28.531	61.073	-0.4523000	-0.110259	-0.0057
72 8 215 512		55.22	-28.636	59.238	-0.4927370	-0.060608	

72 8 215 542	-0.5060	54.49	-28.716	57.397	-0.5090517	-0.016110	0.0031
72 8 215 612		53.82	-28.771	55.553	-0.5132018	-0.007918	
72 8 215 642	-0.5184	53.19	-28.801	53.796	-0.5191626	-0.017915	0.0008
72 8 215 742	-0.5507	52.08	-28.787	50.007	-0.5450258	-0.038161	-0.0057
72 8 215 812		51.60	-28.742	48.157	-0.5650041	-0.048410	
72 8 215 842	-0.5781	51.17	-28.672	46.308	-0.5866076	-0.038397	0.0085
72 8 215 912		50.79	-28.576	44.461	-0.5942128	0.012213	
72 8 215 942	-0.5814	50.46	-28.457	42.618	-0.5738072	0.072692	-0.0076
72 8 2151042	-0.4685	49.96	-28.143	38.943	-0.4733444	0.130989	0.0048
72 8 2151112		49.79	-27.949	37.114	-0.4125755	0.128815	
72 8 2151142	-0.3624	49.67	-27.732	35.292	-0.3614162	0.081070	-0.0010
72 8 2151212		49.61	-27.491	33.477	-0.3485196	-0.036899	
72 8 2151242	-0.3995	49.59	-27.226	31.670	-0.3926390	-0.136296	-0.0069
72 8 2151342	-0.4771	49.72	-26.629	28.085	-0.4945327	-0.012793	0.0174
72 8 2151412		49.86	-26.297	26.307	-0.4531339	0.210053	
72 8 2151442	-0.3199	50.05	-25.943	24.539	-0.3010641	0.429617	-0.0188
72 8 2151512		50.30	-25.568	22.784	-0.0740147	0.535074	
72 8 2151542	0.1786	50.60	-25.173	21.040	0.1792711	0.551277	-0.0007
72 8 2151642	0.6658	51.35	-24.323	17.588	0.6337916	0.390228	0.0320
72 8 2151712		51.80	-23.869	15.082	0.7755058	0.213809	
72 8 2151742	0.7899	52.30	-23.397	14.188	0.8370592	0.078659	-0.0472
72 8 2151812		52.85	-22.907	12.507	0.8712683	0.094592	
72 8 2151842	0.9636	53.45	-22.400	10.840	0.9336624	0.170668	0.0299
72 8 2151942	1.1329	54.80	-21.338	7.547	1.1291896	0.232856	0.0037
72 8 2152012		55.55	-20.783	5.920	1.2346321	0.218981	
72 8 2152042	1.3046	56.34	-20.214	4.307	1.3269396	0.176212	-0.0223
72 8 2152112		57.18	-19.631	2.707	1.3930686	0.105662	
72 8 2152142	1.4324	58.07	-19.034	1.120	1.4201237	0.006691	0.0123
72 8 2152242	1.3152	59.97	-17.803	-2.015	1.3036792	-0.278247	0.0115
72 8 2152312		61.00	-17.170	-3.563	1.1334291	-0.464200	
72 8 2152342	0.8588	62.05	-16.527	-5.099	0.8032447	-0.596849	-0.0244
72 8 2152412		63.16	-15.872	-6.623	0.6032082	-0.593311	
72 8 2152442	0.3590	64.30	-15.209	-8.135	0.3428280	-0.539560	0.0162
72 8 2152542	-0.1387	66.71	-13.854	-11.125	-0.1411026	-0.530794	0.0024
72 8 2152612		67.98	-13.165	-12.694	-0.3953463	-0.576262	
72 8 2152642	-0.6811	69.27	-12.468	-14.072	-0.6680751	-0.588401	-0.0130
72 8 2152712		70.61	-11.764	-15.530	-0.9232835	-0.508651	
72 8 2152742	-1.1149	71.97	-11.055	-16.979	-1.1235046	-0.368437	0.0086
72 8 2152842	-1.3506	74.81	-9.618	-19.049	-1.3534993	-0.137071	0.0029
72 8 2152912		76.28	-8.893	-21.271	-1.3934648	-0.037915	
72 8 2152942	-1.4020	77.78	-8.163	-22.686	-1.3924694	0.035458	-0.0095
72 8 2153012		79.31	-7.430	-24.093	-1.3669775	0.068222	
72 8 2153042	-1.3235	80.86	-6.694	-25.493	-1.3304169	0.094860	0.0069
72 8 2153142	-1.1877	84.04	-5.214	-28.272	-1.1877204	0.233102	0.0000
72 8 2153212		85.68	-4.471	-29.654	-1.0554478	0.344692	
72 8 2153242	-0.8771	87.33	-3.727	-31.031	-0.8734068	0.430485	-0.0037
72 8 2153312		89.01	-2.982	-32.402	-0.6702644	0.436314	
72 8 2153342	-0.4763	90.70	-2.237	-33.769	-0.4771965	0.398047	0.0009
72 8 2153442	-0.1456	94.15	-0.748	-36.491	-0.1506607	0.304002	0.0051
72 8 2153512		95.90	-0.004	-37.848	-0.0233134	0.246627	
72 8 2153542	0.0713	97.66	0.738	-39.202	0.0791502	0.202028	-0.0079
72 8 2153612		99.45	1.478	-40.553	0.1691766	0.192048	
72 8 2153642	0.2626	101.24	2.216	-41.904	0.2584545	0.159899	0.0041
72 8 2153742	0.4167	104.85	3.683	-44.600	0.4138108	0.133775	0.0029
72 8 2153812		106.68	4.412	-45.947	0.4635139	0.078609	
72 8 2153842	0.4021	108.50	5.137	-47.295	0.4887611	0.038045	-0.0067
72 8 2153912		110.35	5.857	-48.643	0.5068539	0.047647	
72 8 2153942	0.5387	112.18	6.573	-49.991	0.5345908	0.068356	0.0041
72 8 2154042	0.5917	115.87	7.990	-52.692	0.5901653	0.035520	0.0015
72 8 2154112		117.73	8.690	-54.045	0.5951582	-0.018012	
72 8 2154142	0.5686	119.57	9.383	-55.401	0.5734982	-0.071746	-0.0049
72 8 2154212		121.42	10.070	-56.759	0.5326647	-0.101107	
72 8 2154242	0.4861	123.26	10.751	-58.121	0.4828343	-0.118150	0.0041
72 8 2154342	0.3562	126.93	12.089	-60.854	0.3575102	-0.151390	-0.0013
72 8 2154412		128.76	12.747	-62.226	0.2838827	-0.187566	
72 8 2154442	0.2030	130.57	13.396	-63.604	0.2033138	-0.179018	-0.0005

72 8 2154512		132.39	14.036	-64.985	0.1199995	-0.181279	
72 8 2154542	0.0386	134.19	14.668	-66.372	0.0378567	-0.172308	0.0007
72 8 2154642	-0.0990	137.75	15.902	-69.161	-0.0986656	-0.114552	-0.0003
72 8 2154712		139.52	16.504	-70.564	-0.1407972	-0.065773	
72 8 2154742	-0.1595	141.26	17.096	-71.974	-0.1596502	-0.018658	0.0002
72 8 2154812		143.00	17.677	-73.389	-0.160587	0.011828	
72 8 2154842	-0.1511	144.71	18.247	-74.812	-0.1506251	0.029581	-0.0005
72 8 2154942	-0.1138	148.08	19.351	-77.676	-0.1148629	0.042107	0.0011
72 8 2155012		149.75	19.886	-79.118	-0.0965055	0.036084	
72 8 2155042	-0.0826	151.38	20.407	-80.568	-0.0812983	0.031665	-0.0013
72 8 2155112		153.00	20.916	-82.024	-0.0655332	0.038515	
72 8 2155142	-0.0445	154.58	21.412	-83.489	-0.0453050	0.048152	0.0008
72 8 2155242	0.0020	157.69	22.362	-86.439	0.0019159	0.050329	0.0001
72 8 2155312		159.21	22.816	-87.924	0.0236470	0.042872	
72 8 2155342	0.0404	160.69	23.256	-89.418	0.0410312	0.032359	-0.0006
72 8 2155412		162.16	23.681	-90.919	0.0534648	0.021442	
72 8 2155442	0.6621	163.58	24.091	-92.428	0.0615234	0.015037	0.0006
72 8 2155542	0.0794	166.35	24.864	-95.466	0.0796624	0.030544	-0.0003
72 8 2155642	0.1296	169.00	25.574	-98.531	0.1295480	0.083800	0.0001

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YYMMDDHHMMSS	Hr	Km	Deg.	Deg.	Hr	mm/s**2	Hr
72 8 3144152	-0.1776	115.64	-10.482	111.185	-0.1763653	0.207027	-0.0012
72 8 31442 2	-0.1373	115.01	-10.712	110.728	-0.1437148	0.217655	0.0064
72 8 3144212	-0.1197	114.37	-10.941	110.271	-0.1092398	0.230736	-0.4105
72 8 3144222	-0.0697	113.74	-11.170	109.811	-0.0725766	0.246284	0.0029
72 8 3144232	-0.0287	113.11	-11.398	109.351	-0.0333209	0.264249	0.0047
72 8 3144242	0.0850	112.47	-11.625	108.891	0.0088916	0.284687	-0.0039
72 8 3144247		112.16	-11.739	108.660	0.0312496	0.295838	
72 8 3144252	0.0598	111.84	-11.853	108.429	0.0543637	0.305327	0.0054
72 8 31443 2	0.0989	111.21	-12.079	107.965	0.1021230	0.312685	-0.0032
72 8 3144312	0.1530	110.53	-12.305	107.502	0.1498183	0.304496	0.0031
72 8 3144322	0.1894	109.95	-12.530	107.036	0.1950410	0.280772	-0.0057
72 8 3144332	0.2330	109.32	-12.755	106.570	0.2354319	0.241494	-0.0024
72 8 3144342	0.2715	108.69	-12.978	106.102	0.2685809	0.186668	0.0030
72 8 3144347		108.37	-13.090	105.868	0.2817850	0.153386	
72 8 3144352	0.2937	108.06	-13.202	105.634	0.2921566	0.118977	0.0015
72 8 31444 2	0.3040	107.43	-13.424	105.163	0.3054210	0.054345	-0.0014
72 8 3144412	0.3087	106.80	-13.646	104.693	0.3091806	-0.004531	-0.0005
72 8 3144422	0.3075	106.17	-13.867	104.220	0.3043246	-0.057635	0.0031
72 8 3144432	0.2963	105.55	-14.088	103.747	0.2917348	-0.105003	0.0045
72 8 3144442	0.2665	104.92	-14.307	103.272	0.2722973	-0.146616	-0.0058
72 8 3144447		104.61	-14.417	103.034	0.2602735	-0.165285	
72 8 3144452	0.2461	104.30	-14.526	102.796	0.2469458	-0.180995	-0.0009

72 8 31445 2	0.2142	103.67	-14.744	102.319	0.2174526	-0.199329	-0.0033
72 8 3144512	0.1924	103.05	-14.961	101.841	0.1864873	-0.200124	0.0059
72 8 3144522	0.1560	102.43	-15.177	101.361	0.1567595	-0.183392	-0.0008
72 8 3144532	0.1250	101.81	-15.393	100.879	0.1309458	-0.149118	-0.0059
72 8 3144542	0.1147	101.19	-15.607	100.397	0.1117569	-0.097307	0.0029
72 8 3144547		100.88	-15.714	100.155	0.1054848	-0.064787	
72 8 3144552	0.1048	100.58	-15.821	99.914	0.1017974	-0.031743	0.0030
72 8 31446 2	0.1089	99.96	-16.034	99.428	0.1014407	0.025004	0.0074
72 8 3144612	0.1064	99.34	-16.245	98.942	0.1088468	0.069129	-0.0024
72 8 3144622	0.1151	98.73	-16.456	98.454	0.1220671	0.100622	-0.0070
72 8 3144632	0.1393	98.12	-16.666	97.965	0.1391693	0.119507	0.0001
72 8 3144642	0.1503	97.51	-16.875	97.475	0.1582067	0.125769	-0.0080
72 8 3144647		97.20	-16.979	97.228	0.1678544	0.124163	
72 8 3144652	0.1805	96.90	-17.083	96.983	0.1772480	0.120125	0.0032
72 8 31447 2	0.1903	96.29	-17.289	96.489	0.1948046	0.106862	-0.0045
72 8 3144712	0.2235	95.69	-17.495	95.995	0.2097887	0.086698	0.0137
72 8 3144722	0.2192	95.08	-17.700	95.498	0.2211348	0.059642	-0.0020
72 8 3144732	0.2290	94.48	-17.903	95.000	0.2277891	0.025676	0.0012
72 8 3144742	0.2378	93.88	-18.105	94.501	0.2286845	-0.015191	0.0091
72 8 3144747		93.58	-18.206	94.251	0.2266374	-0.038240	
72 8 3144752	0.2161	93.28	-18.307	94.001	0.2228256	-0.060469	-0.0068
72 8 31448 2	0.2106	92.69	-18.507	93.498	0.2106719	-0.095302	-0.0001
72 8 3144812	0.1892	92.09	-18.705	92.995	0.1941539	-0.117181	-0.0050
72 8 3144822	0.1650	91.50	-18.903	92.490	0.1752723	-0.126107	-0.0102
72 8 3144832	0.1569	90.91	-19.100	91.983	0.1560062	-0.122086	0.0008
72 8 3144842	0.1399	90.32	-19.295	91.475	0.1383558	-0.105112	0.0015
72 8 3144847		90.03	-19.392	91.220	0.1307517	-0.0891751	
72 8 3144852	0.1289	89.73	-19.489	90.965	0.1242584	-0.077560	0.0046
72 8 31449 2	0.1264	89.15	-19.681	90.454	0.1142395	-0.053632	0.0121
72 8 3144912	0.1086	88.57	-19.872	89.941	0.1074489	-0.035713	0.0011
72 8 3144922	0.0936	87.99	-20.062	89.427	0.1029390	-0.023809	-0.0094
72 8 3144932	0.0983	87.41	-20.251	88.911	0.0998055	-0.017910	-0.0015
72 8 3144942	0.1003	86.84	-20.438	88.394	0.0971175	-0.018021	0.0032
72 8 3144947		86.55	-20.531	88.134	0.0956498	-0.020334	
72 8 3144952	0.0875	86.26	-20.624	87.874	0.0939906	-0.022288	-0.0065
72 8 31450 2	0.0837	85.69	-20.808	87.353	0.0906643	-0.019564	-0.0070
72 8 3145012	0.0945	85.13	-20.991	86.832	0.0884389	-0.017282	0.0061
72 8 3145022	0.0820	84.56	-21.172	86.368	0.0866689	-0.014448	-0.0067
72 8 3145032	0.1091	84.00	-21.352	85.782	0.0927174	-0.011741	0.0164
72 8 3145042	0.1155	83.44	-21.530	85.255	0.1019641	-0.009891	0.0135
72 8 3145047		83.16	-21.619	84.991	0.1089684	0.102313	
72 8 3145052	0.1112	82.88	-21.707	84.727	0.1176882	0.123678	-0.0065
72 8 31451 2	0.1413	82.33	-21.883	84.196	0.1393888	0.155662	0.0019
72 8 3145112	0.1534	81.78	-22.056	83.665	0.1648146	0.172202	-0.0114
72 8 3145122	0.1879	81.23	-22.228	83.131	0.1916842	0.177502	-0.0037
72 8 3145132	0.2084	80.69	-22.399	82.596	0.2174389	0.155562	-0.0091
72 8 3145142	0.2323	80.15	-22.568	82.059	0.2399391	0.130378	-0.0077
72 8 3145147		79.83	-22.651	81.790	0.2482448	0.110046	
72 8 3145152	0.2536	79.61	-22.735	81.521	0.2568257	0.087843	-0.0032
72 8 31452 2	0.2787	79.07	-22.900	80.980	0.2659125	0.043194	0.0018
72 8 3145212	0.2757	78.54	-23.064	80.439	0.2701886	-0.011670	0.0056
72 8 3145222	0.2874	78.01	-23.226	79.896	0.2663902	-0.044731	0.0160
72 8 3145232	0.2597	77.48	-23.386	79.351	0.2597149	-0.092024	0.0039
72 8 3145242	0.2417	76.96	-23.544	78.805	0.2398528	-0.137531	-0.0036
72 8 3145247		76.70	-23.623	78.530	0.2263762	-0.164391	
72 8 3145252	0.2097	76.44	-23.781	78.256	0.2141111	-0.181872	-0.0038
72 8 31453 2	0.1868	75.92	-23.956	77.786	0.1825217	-0.210761	-0.0018
72 8 3145312	0.1284	75.41	-24.088	77.156	0.1288890	-0.243688	-0.0185
72 8 3145322	0.0997	74.90	-24.159	76.602	0.1080578	-0.255510	-0.0084
72 8 3145332	0.0643	74.39	-24.309	76.047	0.0675394	-0.265477	-0.0033
72 8 3145342	0.0229	73.89	-24.456	75.492	0.0268476	-0.261502	-0.0039
72 8 3145347		73.64	-24.529	75.210	0.0069098	-0.235779	
72 8 3145352	-0.0038	73.39	-24.601	74.934	0.0124772	-0.248913	0.0086
72 8 31454 2	-0.0443	73.09	-24.744	74.374	0.0477587	-0.235448	0.0055
72 8 3145412	-0.0719	72.40	-24.885	73.814	0.0854493	-0.223843	0.0132
72 8 3145422	-0.1151	71.91	-25.025	73.251	0.1184384	-0.210186	0.0034

72 8 3145432	-0.1391	71.43	-25.162	72.687	-0.1500517	-0.199808	0.0110	72 8 315 352	-0.4495	51.46	-29.012	39.156	-0.4362565	0.213030	-0.0132
72 8 3145442	-0.1949	70.95	-25.297	72.122	-0.1799781	-0.189177	-0.0150	72 8 315 4 2	-0.4026	51.25	-29.004	38.537	-0.4001146	0.257062	-0.0024
72 8 3145447		70.71	-25.364	71.838	-0.1943558	-0.184102		72 8 315 412	-0.3613	51.04	-28.994	37.919	-0.3569884	0.303785	-0.0043
72 8 3145452	-0.2128	70.47	-25.430	71.554	-0.2082895	-0.178458	-0.0045	72 8 315 417		50.94	-28.988	37.609	-0.3326491	0.328183	
72 8 31455 2	-0.2341	70.00	-25.561	70.985	-0.2346461	-0.163139	0.0005	72 8 315 422	-0.2963	50.84	-28.981	37.300	-0.3065948	0.348846	0.0103
72 8 3145512	-0.2702	69.53	-25.690	70.415	-0.2582332	-0.142469	-0.0120	72 8 315 432	-0.2357	50.65	-28.965	36.681	-0.2511575	0.366177	0.0155
72 8 3145522	-0.2738	69.06	-25.817	69.843	-0.2782204	-0.116458	0.0045	72 8 315 442	-0.1908	50.46	-28.946	36.063	-0.1955242	0.351393	0.0047
72 8 3145532	-0.3006	68.60	-25.941	69.270	-0.2937993	-0.085088	-0.0068	72 8 315 452	-0.1479	50.28	-28.925	35.445	-0.1446548	0.304518	-0.0032
72 8 3145542	-0.2958	68.14	-26.063	68.696	-0.3041380	-0.048366	0.0083	72 8 315 5 2	-0.1155	50.10	-28.901	34.826	-0.1034534	0.225518	-0.0120
72 8 3145547		67.92	-26.124	68.407	-0.3070873	-0.027976		72 8 315 5 7		50.02	-28.887	34.518	-0.0880253	0.173955	
72 8 3145552	-0.2993	67.69	-26.184	68.119	-0.3084676	-0.008456	0.0091	72 8 315 512	-0.0843	49.93	-28.873	34.209	-0.0766894	0.121934	-0.0076
72 8 31456 2	-0.3131	67.24	-26.301	67.541	-0.3072924	-0.021747	-0.0058	72 8 315 522	-0.0736	49.77	-28.844	33.591	-0.0646694	0.039008	-0.0089
72 8 3145612	-0.2997	66.80	-26.417	66.962	-0.3023831	0.040066	0.0027	72 8 315 532	-0.0511	49.61	-28.811	32.973	-0.0632432	-0.015779	0.0121
72 8 3145622	-0.2898	66.36	-26.530	66.382	-0.2955714	0.046502	0.0058	72 8 315 542	-0.0532	49.46	-28.775	32.356	-0.0680811	-0.042392	0.0149
72 8 3145632	-0.2935	65.92	-26.642	65.799	-0.2886806	0.041059	-0.0048	72 8 315 552	-0.0728	49.31	-28.737	31.739	-0.0748447	-0.040836	0.0020
72 8 3145642	-0.2902	65.49	-26.750	65.216	-0.2835421	0.023732	-0.0066	72 8 315 557		49.24	-28.717	31.430	-0.0776019	-0.029457	
72 8 3145647		65.27	-26.804	64.924	-0.2822006	0.010597		72 8 315 6 2	-0.0788	49.17	-28.696	31.122	-0.0792747	-0.013889	0.0005
72 8 3145652	-0.2850	65.06	-26.857	64.631	-0.2819365	-0.003588	-0.0030	72 8 315 612	-0.0826	49.03	-28.652	30.507	-0.0787488	0.021695	-0.0039
72 8 31457 2	-0.2863	64.64	-26.961	64.045	-0.2845330	-0.029621	-0.0018	72 8 315 622	-0.0838	48.90	-28.605	29.891	-0.0723008	0.063094	-0.0115
72 8 3145712	-0.2921	64.22	-27.062	63.458	-0.2908911	-0.052468	-0.0012	72 8 315 632	-0.0618	48.78	-28.556	29.275	-0.0590291	0.110336	-0.0028
72 8 3145722	-0.2930	63.80	-27.162	62.869	-0.3005163	-0.072122	0.0075	72 8 315 642	-0.0432	48.66	-28.503	28.661	-0.0380374	0.163409	-0.0051
72 8 3145732	-0.3101	63.39	-27.259	62.279	-0.3129255	-0.088597	0.0029	72 8 315 647		48.60	-28.476	28.353	-0.0243500	0.192164	
72 8 3145742	-0.3144	62.99	-27.353	61.688	-0.3276252	-0.101886	0.0132	72 8 315 652	-0.0185	48.55	-28.448	28.047	-0.0085257	0.218986	-0.0100
72 8 3145747		62.79	-27.400	61.391	-0.3356898	-0.107341		72 8 315 7 2	0.0436	48.44	-28.390	27.433	0.0283864	0.257216	0.0152
72 8 3145752	-0.3476	62.59	-27.445	61.095	-0.3441008	-0.111287	-0.0035	72 8 315 712	0.0751	48.34	-28.330	26.820	0.0695899	0.274750	0.0055
72 8 31458 2	-0.3640	62.19	-27.535	60.501	-0.3614434	-0.112604	-0.0025	72 8 315 722	0.1266	48.25	-28.267	26.208	0.1118842	0.271594	0.0147
72 8 3145812	-0.3769	61.80	-27.622	59.906	-0.3783120	-0.105128	0.0014	72 8 315 732	0.1589	48.16	-28.201	25.596	0.1521159	0.247744	0.0068
72 8 3145822	-0.4108	61.41	-27.707	59.310	-0.3933483	-0.088868	-0.0174	72 8 315 737		48.12	-28.167	25.291	0.1704635	0.228051	
72 8 3145832	-0.4101	61.03	-27.789	58.712	-0.4052106	-0.063810	-0.0049	72 8 315 742	0.1830	48.08	-28.132	24.985	0.1872134	0.208236	-0.0042
72 8 3145842	-0.4176	60.65	-27.868	58.114	-0.4125396	-0.029961	-0.0051	72 8 315 752	0.2101	48.00	-28.061	24.375	0.2170828	0.183311	-0.0070
72 8 3145847		60.46	-27.907	57.813	-0.4140821	-0.009715		72 8 315 8 2	0.2312	47.93	-27.987	23.765	0.2446358	0.177994	-0.0134
72 8 3145852	-0.4086	60.28	-27.946	57.514	-0.4140532	0.009916	0.0055	72 8 315 812	0.2575	47.86	-27.910	23.157	0.2728805	0.192300	-0.0154
72 8 31459 2	-0.4068	59.91	-28.020	56.913	-0.4100952	0.039304	0.0033	72 8 315 822	0.2999	47.80	-27.831	22.549	0.3048243	0.226211	-0.0049
72 8 3145912	-0.3914	59.55	-28.092	56.311	-0.4026354	0.055419	0.0112	72 8 315 827		47.78	-27.790	22.245	0.3231863	0.250597	
72 8 3145922	-0.3841	59.19	-28.161	55.708	-0.3937199	0.058265	0.0096	72 8 315 832	0.3555	47.75	-27.749	21.942	0.3434068	0.275735	0.0121
72 8 3145932	-0.3866	58.83	-28.228	55.104	-0.3853841	0.047842	-0.0013	72 8 315 842	0.3908	47.70	-27.664	21.336	0.3891559	0.316633	0.0016
72 8 3145942	-0.3758	58.49	-28.292	54.500	-0.3796737	0.024148	0.0039	72 8 315 852	0.4579	47.66	-27.577	20.731	0.4402042	0.344840	0.0177
72 8 3145947		58.31	-28.323	54.196	-0.3784409	0.007304		72 8 315 9 2	0.5063	47.63	-27.487	20.127	0.4946375	0.360375	0.0117
72 8 3145952	-0.3832	58.14	-28.354	53.894	-0.3785510	-0.009682	-0.0046	72 8 315 912	0.5521	47.60	-27.394	19.524	0.5504857	0.363226	0.0016
72 8 315 0 2	-0.3956	57.80	-28.412	53.287	-0.3821321	-0.034888	-0.0135	72 8 315 917		47.59	-27.347	19.222	0.5783608	0.359890	
72 8 315 012	-0.3937	57.47	-28.469	52.680	-0.3886862	-0.048316	-0.0050	72 8 315 922	0.6001	47.58	-27.299	18.921	0.6057988	0.354262	-0.0057
72 8 315 022	-0.3955	57.14	-28.522	52.071	-0.3963978	-0.049967	0.0009	72 8 315 932	0.6489	47.56	-27.202	18.320	0.6591980	0.338670	-0.0103
72 8 315 032	-0.4003	56.82	-28.573	51.461	-0.4034601	-0.039842	0.0032	72 8 315 942	0.7021	47.55	-27.101	17.720	0.7097543	0.317321	-0.0077
72 8 315 042	-0.4060	56.50	-28.621	50.852	-0.4080578	-0.017939	0.0021	72 8 315 952	0.7386	47.54	-26.999	17.121	0.7565655	0.290226	-0.0180
72 8 315 047		56.34	-28.644	50.546	-0.4088661	-0.002552		72 8 31510 2	0.7972	47.55	-26.893	16.523	0.7987800	0.257366	-0.0016
72 8 315 052	-0.4114	56.19	-28.666	50.241	-0.4084658	0.012330	-0.0029	72 8 31510 7		47.55	-26.840	16.225	0.8178865	0.238770	
72 8 315 1 2	-0.4034	55.88	-28.709	49.629	-0.4049686	0.030530	0.0016	72 8 3151012	0.8444	47.55	-26.786	15.927	0.8355258	0.219999	0.0089
72 8 315 112	-0.3984	55.57	-28.749	49.017	-0.3998632	0.033228	0.0015	72 8 3151022	0.8855	47.57	-26.676	15.331	0.8666766	0.185644	0.0188
72 8 315 122	-0.3913	55.28	-28.786	48.404	-0.3955368	0.020431	0.0042	72 8 3151032	0.8950	47.58	-26.563	14.736	0.8928773	0.155528	0.0021
72 8 315 132	-0.3894	54.98	-28.821	47.790	-0.3943713	-0.007870	0.0050	72 8 3151042	0.9215	47.61	-26.448	14.143	0.9147702	0.129666	0.0067
72 8 315 142	-0.3983	54.70	-28.853	47.177	-0.3987545	-0.051672	0.0005	72 8 3151052	0.9295	47.64	-26.330	13.551	0.9330037	0.108063	-0.0035
72 8 315 147		54.56	-28.867	46.869	-0.4037793	-0.079419		72 8 3151057		47.66	-26.270	13.255	0.9409780	0.098829	
72 8 315 152	-0.4141	54.42	-28.882	46.562	-0.4109468	-0.106286	-0.0032	72 8 31511 2	0.9461	47.68	-26.210	12.960	0.9482576	0.091178	-0.0022
72 8 315 2 2	-0.4254	54.14	-28.908	45.946	-0.4304626	-0.143649	0.0051	72 8 3151112	0.9637	47.72	-26.088	12.371	0.9614720	0.081881	0.0022
72 8 315 212	-0.4667	53.87	-28.931	45.331	-0.4540385	-0.159044	-0.0127	72 8 3151122	0.9542	47.77	-25.963	11.782	0.9738718	0.080649	-0.0197
72 8 315 222	-0.4840	53.60	-28.952	44.715	-0.4782845	-0.152475	-0.0057	72 8 3151132	0.9843	47.83	-25.836	11.195	0.9867072	0.087483	-0.0024
72 8 315 232	-0.5015	53.34	-28.970	44.098	-0.4998381	-0.123939	-0.0017	72 8 3151142	1.0014	47.89	-25.707	10.610	1.0012150	0.102383	0.0001
72 8 315 237		53.21	-28.978	43.790	-0.5085480	-0.101423		72 8 3151147		47.92	-25.641	10.317	1.0094936	0.112870	
72 8 315 242	-0.5168	53.09	-28.985	43.482	-0.5153886	-0.076541	-0.0015	72 8 3151152	1.0188	47.95	-25.575	10.025	1.0185325	0.121538	0.0002
72 8 315 252	-0.5175	52.84	-28.997	42.864	-0.5234670	-0.028956	0.0059	72 8 31512 2	1.0441	48.03	-25.441	9.442	1.0375677	0.122070	0.0066
72 8 315 3 2	-0.5193	52.59	-29.007	42.246	-0.5244470	0.015737	0.0051	72 8 3151212	1.0646	48.10	-25.305	8.861	1.0549566	0.100144	0.0096
72 8 315 312	-0.5058	52.36	-29.013	41.629	-0.5187719	0.057523	0.0130	72 8 3151222	1.0727	48.19	-25.166	8.280	1.0672392	0.055779	0.0055
72 8 315 322	-0.5026	52.12	-29.017	41.011	-0.5068948	0.096385	0.0043	72 8 3151232	1.0775	48.28	-25.025	7.701	1.0709690	-0.011056	0.0065
72 8 315 327		52													

72 8 31513 2	1.0138	48.59	-24.590	5.972	1.0168315	-0.185838	-0.0030	72 8 3152222	-1.4376	63.54	-13.585	-23.870	-1.4473968	0.264340	0.0098
72 8 3151312	0.9733	48.70	-24.440	5.399	0.9876569	-0.188452	-0.0144	72 8 3152232	-1.4076	63.95	-13.352	-24.363	-1.4029056	0.314232	-0.0047
72 8 3151322	0.9608	48.82	-24.289	4.827	0.9603131	-0.162181	0.0005	72 8 3152237		64.16	-13.235	-24.610	-1.3777207	0.340163	
72 8 3151327		48.89	-24.212	4.541	0.9486812	-0.138135		72 8 3152242	-1.3458	64.37	-13.118	-24.855	-1.3505726	0.365266	0.0047
72 8 3151332	0.9392	48.95	-24.135	4.257	0.9390973	-0.112072	0.0001	72 8 3152252	-1.2879	64.79	-12.884	-25.347	-1.2909194	0.408663	0.0031
72 8 3151342	0.9370	49.08	-23.979	3.688	0.9253390	-0.068683	0.0117	72 8 31523 2	-1.2297	65.21	-12.648	-25.837	-1.2252624	0.442996	-0.0044
72 8 3151352	0.9222	49.22	-23.821	3.120	0.9173498	-0.037142	0.0049	72 8 3152312	-1.1620	65.64	-12.412	-26.326	-1.1550205	0.468244	-0.0070
72 8 31514 2	0.9243	49.36	-23.661	2.554	0.9133022	-0.017426	0.0109	72 8 3152322	-1.0838	66.08	-12.175	-26.814	-1.0816187	0.484405	-0.0022
72 8 3151412	0.9087	49.51	-23.499	1.990	0.9113781	-0.009549	-0.0027	72 8 3152332	-1.0080	66.51	-11.938	-27.301	-1.0064011	0.491490	-0.0016
72 8 3151417		49.59	-23.418	1.708	0.9106421	-0.010053		72 8 3152337		66.74	-11.819	-27.544	-0.9685441	0.491626	
72 8 3151422	0.9051	49.67	-23.335	1.427	0.9097973	-0.011900	-0.0046	72 8 3152342	-0.9336	66.96	-11.699	-27.787	-0.9307725	0.490247	-0.0028
72 8 3151432	0.9035	49.83	-23.169	0.865	0.9077290	-0.014797	-0.0042	72 8 3152352	-0.8430	67.40	-11.460	-28.271	-0.8556938	0.485209	0.0127
72 8 3151442	0.8940	49.99	-23.002	0.305	0.9052974	-0.016622	-0.0113	72 8 31524 2	-0.7827	67.85	-11.221	-28.755	-0.7815970	0.477128	-0.0011
72 8 3151452	0.8992	50.17	-22.832	-0.253	0.9026684	-0.017375	-0.0035	72 8 3152412	-0.7172	68.31	-10.980	-29.237	-0.7089779	0.466007	-0.0083
72 8 31515 2	0.9084	50.35	-22.660	-0.811	0.9000050	-0.017055	0.0084	72 8 3152422	-0.6281	68.77	-10.739	-29.719	-0.6383300	0.451850	0.0103
72 8 31515 7		50.44	-22.574	-1.088	0.8987119	-0.016494		72 8 3152432	-0.5621	69.23	-10.498	-30.200	-0.5700696	0.434648	0.0080
72 8 3151512	0.8936	50.53	-22.487	-1.366	0.8973786	-0.019356	-0.0038	72 8 3152437		69.46	-10.377	-30.439	-0.5369788	0.424902	
72 8 3151522	0.9014	50.72	-22.312	-1.920	0.8926827	-0.046430	0.0087	72 8 3152442	-0.5080	69.70	-10.256	-30.679	-0.5046669	0.415341	-0.0033
72 8 3151532	0.8806	50.91	-22.134	-2.473	0.8816258	-0.101995	-0.0010	72 8 3152452	-0.4403	70.17	-10.013	-31.158	-0.4420349	0.399565	0.0018
72 8 3151542	0.8706	51.12	-21.955	-3.023	0.8598245	-0.186047	0.0107	72 8 31525 2	-0.3957	70.64	-9.769	-31.636	-0.3814651	0.388247	-0.0142
72 8 3151552	0.8195	51.32	-21.775	-3.573	0.8229114	-0.298537	-0.0034	72 8 3152512	-0.3189	71.12	-9.526	-32.112	-0.3222938	0.381393	0.0033
72 8 3151557		51.43	-21.683	-3.848	0.7973348	-0.365664		72 8 3152522	-0.2766	71.60	-9.281	-32.588	-0.2638553	0.379003	-0.0127
72 8 31516 2	0.7563	51.54	-21.592	-4.121	0.7666561	-0.432528	-0.0104	72 8 3152532	-0.1964	72.09	-9.036	-33.063	-0.2054198	0.381076	0.0090
72 8 3151612	0.6982	51.75	-21.408	-4.667	0.6910216	-0.545634	0.0072	72 8 3152537		72.33	-8.914	-33.299	-0.1759857	0.383787	
72 8 3151622	0.5897	51.98	-21.222	-5.213	0.6001675	-0.630735	-0.0104	72 8 3152542	-0.1561	72.58	-8.791	-33.536	-0.1463523	0.386420	-0.0097
72 8 3151632	0.4959	52.21	-21.034	-5.756	0.4983319	-0.687894	-0.0025	72 8 3152552	-0.0756	73.07	-8.545	-34.009	-0.0867223	0.387874	0.0111
72 8 3151642	0.3959	52.44	-20.845	-6.298	0.3898522	-0.717073	0.0061	72 8 31526 2	-0.0193	73.57	-8.299	-34.482	-0.0272379	0.384244	0.0079
72 8 3151647		52.56	-20.749	-6.569	0.3344055	-0.721171		72 8 3152612	0.0312	74.07	-8.053	-34.953	0.0312966	0.375529	-0.0001
72 8 3151652	0.2835	52.68	-20.654	-6.839	0.2790143	-0.720650	0.0045	72 8 3152622	0.0913	74.57	-7.805	-35.423	0.0880780	0.361735	0.0032
72 8 31517 2	0.1738	52.93	-20.461	-7.378	0.1685789	-0.712905	0.0052	72 8 3152632	0.1436	75.08	-7.558	-35.893	0.1423656	0.342852	0.0012
72 8 3151712	0.0576	53.18	-20.267	-7.915	0.0600232	-0.696223	-0.0024	72 8 3152637		75.34	-7.434	-36.127	0.1683310	0.331500	
72 8 3151722	-0.0554	53.44	-20.071	-8.451	-0.0452392	-0.670613	-0.0102	72 8 3152642	0.1903	75.59	-7.310	-36.362	0.1933748	0.319635	-0.0031
72 8 3151732	-0.1460	53.70	-19.874	-8.966	-0.1459103	-0.636058	-0.0001	72 8 3152652	0.2325	76.11	-7.062	-36.830	0.2407682	0.296595	-0.0082
72 8 3151737		53.83	-19.775	-9.252	-0.1940968	-0.615421		72 8 31527 2	0.2824	76.62	-6.814	-37.297	0.2847031	0.274467	-0.0024
72 8 3151742	-0.2329	53.96	-19.675	-9.518	-0.2406377	-0.595008	0.0078	72 8 3152712	0.3244	77.14	-6.565	-37.764	0.3253032	0.253261	-0.0009
72 8 3151752	-0.3302	54.24	-19.475	-10.050	-0.3295184	-0.562136	-0.0007	72 8 3152722	0.3674	77.67	-6.316	-38.230	0.3626971	0.232982	0.0047
72 8 31518 2	-0.4205	54.52	-19.273	-10.580	-0.4141881	-0.539865	-0.0063	72 8 3152732	0.3884	78.20	-6.067	-38.695	0.3970539	0.213618	-0.0087
72 8 3151812	-0.4948	54.80	-19.070	-11.108	-0.4962468	-0.528209	0.0014	72 8 3152737		78.46	-5.942	-38.927	0.4131381	0.204277	
72 8 3151822	-0.5695	55.09	-18.865	-11.635	-0.5772988	-0.527167	0.0078	72 8 3152742	0.4392	78.73	-5.817	-39.159	0.4284985	0.195072	0.0107
72 8 3151832	-0.6604	55.38	-18.659	-12.161	-0.6590365	-0.536736	-0.0013	72 8 3152752	0.4571	79.26	-5.567	-39.623	0.4571003	0.176745	0.0000
72 8 3151837		55.53	-18.556	-12.423	-0.7006773	-0.545506		72 8 31528 2	0.4867	79.80	-5.317	-40.086	0.4828995	0.158520	0.0038
72 8 3151842	-0.7404	55.68	-18.452	-12.685	-0.7429960	-0.554265	0.0026	72 8 3152812	0.4941	80.34	-5.067	-40.548	0.5059022	0.140404	-0.0118
72 8 3151852	-0.8388	55.99	-18.243	-13.208	-0.8291432	-0.563805	-0.0097	72 8 3152822	0.5367	80.88	-4.817	-41.010	0.5261182	0.122405	0.0106
72 8 31519 2	-0.9157	56.30	-18.033	-13.729	-0.9159716	-0.562704	0.0043	72 8 3152832	0.5396	81.43	-4.566	-41.471	0.5435792	0.104508	-0.0040
72 8 3151912	-0.9974	56.61	-17.821	-14.249	-1.0018110	-0.550955	0.0044	72 8 3152837		81.70	-4.441	-41.702	0.5512815	0.095597	
72 8 3151922	-1.0863	56.93	-17.608	-14.767	-1.0849931	-0.528570	-0.0013	72 8 3152842	0.5692	81.98	-4.316	-41.932	0.5582920	0.086645	0.0109
72 8 3151932	-1.1650	57.26	-17.394	-15.285	-1.1639407	-0.495532	-0.0010	72 8 3152852	0.5570	82.53	-4.065	-42.392	0.5702235	0.068371	-0.0133
72 8 3151937		57.42	-17.287	-15.542	-1.2013160	-0.475012		72 8 31529 2	0.5855	83.08	-3.814	-42.851	0.5793082	0.049597	0.0062
72 8 3151942	-1.2386	57.59	-17.179	-15.800	-1.2370141	-0.453026	-0.0016	72 8 3152912	0.5840	83.64	-3.563	-43.310	0.5854653	0.030329	-0.0015
72 8 3151952	-1.2974	57.92	-16.963	-16.314	-1.3032782	-0.408153	0.0059	72 8 3152922	0.5740	84.20	-3.312	-43.768	0.5886184	0.010576	-0.0146
72 8 31520 2	-1.3648	58.27	-16.745	-16.828	-1.3625662	-0.362061	-0.0022	72 8 3152932	0.5938	84.76	-3.061	-44.227	0.5886937	-0.009679	0.0051
72 8 3152012	-1.4174	58.61	-16.526	-17.339	-1.4146677	-0.314766	-0.0027	72 8 3152937		85.05	-2.935	-44.455	0.5875524	-0.019995	
72 8 3152022	-1.4566	58.96	-16.306	-17.849	-1.4593823	-0.266286	0.0028	72 8 3152942	0.5956	85.33	-2.810	-44.683	0.5856171	-0.030294	0.0100
72 8 3152032	-1.4955	59.32	-16.085	-18.358	-1.4965577	-0.216586	0.0011	72 8 3152952	0.5761	85.90	-2.559	-45.141	0.5793968	-0.050470	-0.0033
72 8 3152037		59.50	-15.974	-18.612	-1.5122591	-0.191276		72 8 31530 2	0.5763	86.47	-2.307	-45.597	0.5701120	-0.070087	0.0061
72 8 3152042	-1.5251	59.68	-15.863	-18.865	-1.5260025	-0.166126	0.0009	72 8 3153012	0.5578	87.04	-2.057	-46.053	0.5578514	-0.089139	-0.0001
72 8 3152052	-1.5549	60.04	-15.640	-19.371	-1.5477972	-0.117576	-0.0071	72 8 3153022	0.5338	87.62	-1.805	-46.508	0.5427080	-0.107618	-0.0089
72 8 31521 2	-1.5539	60.41	-15.415	-19.877	-1.5623058	-0.071345	0.0085	72 8 3153032	0.5264	88.20	-1.554	-46.964	0.5247579	-0.125539	0.0016
72 8 3152112	-1.5751	60.79	-15.190	-20.380	-1.5698788	-0.027450	-0.0052	72 8 3153037		88.49	-1.429	-47.191	0.5147555	-0.134291	
72 8 3152122	-1.5709	61.17	-14.963	-20.882	-1.5708764	0.014093	0.0000	72 8 3153042	0.5114	88.78	-1.303	-47.418	0.5041123	-0.142141	0.0073
72 8 3152132	-1.5661	61.55	-14.736	-21.383	-1.5656589	0.053315	-0.0004	72 8 3153052	0.4722	89.36	-1.052	-47.873	0.4813309	-0.152900	-0.0091
72 8 3152137		61.75	-14.622	-21.633	-1.5608293	0.072057		72 8 31531 2	0.4645	89.94	-0.801	-48.327	0.4573922	-0.157069	0.0071
72 8 3152142	-1.5531	62.14	-14.508	-21.883	-1.5545686	0.090818	0.0015	72 8 3153112	0.4252	90.53	-0.551	-48.780	0.4333194	-0.154643	-0.0081
72 8 3152152	-1.5363	62.33	-14.278	-22.381	-1.5375926	0.130290	0.0013								

72 8 3153142	0.3715	92.30	0.200	-50.139	0.3704310	-0.108644	0.0010
72 8 3153152	0.3561	92.90	0.451	-50.592	0.3554162	-0.086555	0.0007
72 8 31532 2	0.3440	93.50	0.701	-51.044	0.3437877	-0.064570	0.0002
72 8 3153212	0.3424	94.10	0.950	-51.495	0.3355342	-0.042697	0.0069
72 8 3153222	0.3227	94.70	1.200	-51.947	0.3306398	-0.020945	-0.0080
72 8 3153232	0.3277	95.30	1.449	-52.399	0.3290835	0.000703	-0.0014
72 8 3153237		95.60	1.574	-52.624	0.3295530	0.011489	
72 8 3153242	0.3286	95.90	1.698	-52.850	0.3308419	0.021904	-0.0022
72 8 3153252	0.3379	96.51	1.947	-53.301	0.3356893	0.040643	0.0023
72 8 31533 2	0.3507	97.12	2.195	-53.752	0.3432083	0.056597	0.0075
72 8 3153312	0.3445	97.73	2.443	-54.203	0.3529679	0.069759	-0.0085
72 8 3153322	0.3718	98.34	2.691	-54.654	0.3645339	0.080126	0.0073
72 8 3153332	0.3744	98.95	2.939	-55.104	0.3774854	0.087705	-0.0031
72 8 3153337		99.26	3.062	-55.329	0.3843474	0.090449	
72 8 3153342	0.3908	99.56	3.186	-55.554	0.3913862	0.092399	-0.0006
72 8 3153352	0.4082	100.18	3.433	-56.005	0.4057435	0.093644	0.0025
72 8 31534 2	0.4158	100.80	3.679	-56.455	0.4200251	0.091346	-0.0042
72 8 3153412	0.4317	101.41	3.925	-56.905	0.4336803	0.085505	-0.0020
72 8 3153422	0.4454	102.03	4.171	-57.355	0.4461595	0.076124	-0.0008
72 8 3153432	0.4624	102.65	4.416	-57.806	0.4569266	0.063197	0.0054
72 8 3153437		102.97	4.538	-58.031	0.4614974	0.055402	
72 8 3153442	0.4690	103.27	4.661	-58.256	0.4654289	0.046634	0.0035
72 8 3153452	0.4686	103.90	4.905	-58.706	0.4710625	0.025883	-0.0025
72 8 31535 2	0.4728	104.52	5.149	-59.156	0.4731738	0.000837	-0.0003
72 8 3153512	0.4650	105.14	5.392	-59.606	0.4711002	-0.028497	-0.0061
72 8 3153522	0.4714	105.77	5.635	-60.057	0.4641852	-0.062107	0.0072
72 8 3153532	0.4455	106.40	5.878	-60.507	0.4517638	-0.100017	-0.0063
72 8 3153537		106.71	5.999	-60.732	0.4432791	-0.120588	
72 8 3153542	0.4348	107.02	6.119	-60.957	0.4332051	-0.141141	0.0015
72 8 3153552	0.4054	107.65	6.361	-61.408	0.4085210	-0.179015	-0.0031
72 8 31536 2	0.3839	108.28	6.602	-61.859	0.3783292	-0.212591	0.0055
72 8 3153612	0.3429	108.91	6.842	-62.309	0.3433016	-0.241854	-0.0004
72 8 3153622	0.3099	109.54	7.081	-62.760	0.3041170	-0.266795	0.0057
72 8 3153632	0.2576	110.17	7.321	-63.212	0.2614103	-0.287434	-0.0039
72 8 3153637		110.49	7.440	-63.437	0.2389404	-0.296140	
72 8 3153642	0.2159	110.80	7.559	-63.662	0.2158612	-0.303672	0.0000
72 8 3153652	0.1634	111.43	7.797	-64.114	0.1682059	-0.314972	-0.0048
72 8 31537 2	0.1222	112.07	8.034	-64.566	0.1191800	-0.321253	0.0031
72 8 3153712	0.0669	112.70	8.270	-65.017	0.0695740	-0.322512	-0.0027
72 8 3153722	0.0215	113.33	8.506	-65.470	0.0201787	-0.318749	0.0013
72 8 3153732	-0.0314	113.97	8.742	-65.922	-0.0282689	-0.309963	-0.0032
72 8 3153737		114.28	8.859	-66.148	-0.0518976	-0.303683	
72 8 3153742	-0.0686	114.60	8.976	-66.374	-0.0749882	-0.296561	0.0063
72 8 3153752	-0.1195	115.23	9.210	-66.828	-0.1194411	-0.280997	-0.0001
72 8 31538 2	-0.1612	115.87	9.443	-67.281	-0.1613790	-0.263668	0.0001
72 8 3153812	-0.2030	116.50	9.675	-67.734	-0.2005143	-0.244580	-0.0024
72 8 3153822	-0.2345	117.13	9.907	-68.188	-0.2365637	-0.223739	0.0021
72 8 3153832	-0.2720	117.77	10.137	-68.642	-0.2692827	-0.201132	-0.0028
72 8 3153837		118.09	10.252	-68.869	-0.2843088	-0.189163	
72 8 3153842	-0.3043	118.40	10.367	-69.096	-0.2983997	-0.177275	-0.0059
72 8 3153852	-0.3168	119.04	10.597	-69.551	-0.3239502	-0.155248	0.0072
72 8 31539 2	-0.3473	119.67	10.825	-70.007	-0.3462985	-0.135545	-0.0010
72 8 3153912	-0.3620	120.30	11.052	-70.462	-0.3657939	-0.118174	0.0037
72 8 3153922	-0.3883	120.94	11.279	-70.918	-0.3827893	-0.103141	-0.0055
72 8 3153932	-0.3924	121.57	11.505	-71.375	-0.3976563	-0.090436	0.0053
72 8 3153937		121.89	11.618	-71.603	-0.4044038	-0.084956	
72 8 3153942	-0.4094	122.20	11.730	-71.831	-0.4107431	-0.079898	0.0013
72 8 3153952	-0.4254	122.83	11.954	-72.288	-0.4223032	-0.070543	-0.0030
72 8 31540 2	-0.4337	123.47	12.178	-72.746	-0.4325056	-0.062200	-0.0011
72 8 3154012	-0.4430	124.10	12.400	-73.204	-0.4415019	-0.054871	-0.0015
72 8 3154022	-0.4565	124.73	12.622	-73.663	-0.4494456	-0.048560	-0.0071
72 8 3154032	-0.4473	125.36	12.842	-74.122	-0.4564988	-0.043261	0.0092
72 8 3154042	-0.4594	125.99	13.062	-74.581	-0.4628144	-0.038976	0.0034
72 8 3154052	-0.4726	126.62	13.280	-75.041	-0.4685467	-0.035708	-0.0041

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72 8 4163242	0.1422	140.90	-2.934	112.295	0.1367168	0.106509	0.0055
72 8 4163252	0.1419	140.26	-3.171	111.865	0.1533168	0.108642	-0.0114
72 8 41633 2	0.1725	139.62	-3.408	111.434	0.1699820	0.107436	0.0025
72 8 4163312	0.1863	138.97	-3.644	111.002	0.1862106	0.102889	0.0000
72 8 4163322	0.2069	138.33	-3.881	110.570	0.2014825	0.095003	0.0054
72 8 4163332	0.2263	137.68	-4.117	110.137	0.2152788	0.083782	0.0110
72 8 4163337		137.35	-4.236	109.920	0.2214827	0.076898	
72 8 4163342	0.2140	137.03	-4.354	109.704	0.2271119	0.069843	-0.0132
72 8 4163352	0.2285	136.38	-4.590	109.270	0.2368494	0.056973	-0.0083
72 8 41634 2	0.2514	135.73	-4.826	108.835	0.2447345	0.045809	0.0067
72 8 4163412	0.2552	135.07	-5.063	108.400	0.2510347	0.036342	0.0041
72 8 4163422	0.2573	134.42	-5.298	107.965	0.2560089	0.028577	0.0012
72 8 4163432	0.2486	133.76	-5.534	107.528	0.2599176	0.022516	-0.0113
72 8 4163437		133.43	-5.653	107.310	0.2615595	0.020117	
72 8 4163442	0.2723	133.10	-5.770	107.091	0.2630166	0.017803	0.0093
72 8 4163452	0.2700	132.44	-6.006	106.654	0.2653495	0.012324	0.0047
72 8 41635 2	0.2601	131.78	-6.241	106.215	0.2667525	0.005726	-0.0067
72 8 4163512	0.2659	131.12	-6.476	105.776	0.2670541	-0.001994	-0.0012
72 8 4163522	0.2695	130.46	-6.711	105.337	0.2660811	-0.010836	0.0034
72 8 4163532	0.2571	129.80	-6.946	104.896	0.2636621	-0.020795	-0.0066
72 8 4163537		129.46	-7.064	104.675	0.2618505	-0.026211	
72 8 4163542	0.2657	129.13	-7.181	104.455	0.2596278	-0.031686	0.0061
72 8 4163552	0.2512	128.47	-7.415	104.013	0.2539254	-0.042342	-0.0028
72 8 41636 2	0.2474	127.80	-7.649	103.570	0.2466190	-0.052564	0.0088
72 8 4163612	0.2391	127.13	-7.883	103.126	0.2377693	-0.062361	0.0013
72 8 4163622	0.2280	126.47	-8.116	102.682	0.2274448	-0.071728	0.0005
72 8 4163632	0.2179	125.80	-8.349	102.237	0.2157162	-0.080662	0.0022
72 8 4163637		125.46	-8.466	102.014	0.2093256	-0.084981	
72 8 4163642	0.2013	125.13	-8.582	101.791	0.2026596	-0.088444	-0.0014
72 8 4163652	0.1828	124.46	-8.814	101.344	0.1887935	-0.090693	-0.0060
72 8 41637 2	0.1811	123.79	-9.047	100.896	0.1750683	-0.086679	0.0060
72 8 4163712	0.1603	123.12	-9.278	100.447	0.1624382	-0.076398	-0.0021
72 8 4163722	0.1468	122.45	-9.510	99.998	0.1518727	-0.059850	-0.0051
72 8 4163732	0.1483	121.78	-9.741	99.547	0.1443384	-0.037046	0.0040
72 8 4163737		121.44	-9.856	99.321	0.1420021	-0.023253	
72 8 4163742	0.1503	121.10	-9.971	99.095	0.1407613	-0.009239	0.0095
72 8 4163752	0.1330	120.43	-10.201	98.643	0.1413244	0.015897	-0.0083
72 8 41638 2	0.1447	119.76	-10.431	98.190	0.1454498	0.037071	-0.0007
72 8 4163812	0.1542	119.09	-10.660	97.735	0.1525321	0.054300	0.0017
72 8 4163822	0.1573	118.41	-10.888	97.280	0.1619618	0.067574	-0.0047
72 8 4163832	0.1727	117.74	-11.117	96.823	0.1731258	0.076890	-0.0005
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72 8 4163852	0.1958	116.39	-11.571	95.907	0.1962344	0.083550	-0.0024	72 8 4164822	-0.2123	79.70	-23.018	67.565	-0.2216472	0.027491	0.0093
72 8 41639 2	0.2054	115.72	-11.798	95.447	0.2109294	0.080798	-0.0055	72 8 4164832	-0.2181	79.11	-23.181	67.023	-0.2143210	0.069020	-0.0037
72 8 4163912	0.2284	115.05	-12.024	94.966	0.2228931	0.073986	0.0055	72 8 4164837		78.82	-23.261	66.751	-0.2080936	0.092729	
72 8 4163922	0.2345	114.37	-12.249	94.525	0.2334960	0.063115	0.0010	72 8 4164842	-0.1832	78.53	-23.342	66.479	-0.2000947	0.114891	0.0169
72 8 4163932	0.2338	113.70	-12.474	94.062	0.2421104	0.048189	-0.0083	72 8 4164852	-0.1785	77.95	-23.501	65.934	-0.1798517	0.144960	0.0014
72 8 4163937		113.36	-12.587	93.829	0.2454873	0.039178		72 8 41649 2	-0.1611	77.38	-23.658	65.387	-0.1564648	0.155856	-0.0046
72 8 4163942	0.2523	113.03	-12.698	93.597	0.2481350	0.029860	0.0042	72 8 4164912	-0.1480	76.81	-23.814	64.838	-0.1328673	0.147585	-0.0151
72 8 4163952	0.2512	112.36	-12.922	93.133	0.2513494	0.012118	-0.0002	72 8 4164922	-0.1174	76.24	-23.968	64.288	-0.1120182	0.120141	-0.0054
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72 8 4164022	0.2494	110.34	-13.588	91.730	0.2459622	-0.033574	0.0034	72 8 4164942	-0.0905	75.11	-24.270	63.182	-0.0902798	0.011279	-0.0002
72 8 4164032	0.2447	109.67	-13.809	91.259	0.2398021	-0.046293	0.0049	72 8 4164952	-0.0945	74.56	-24.418	62.628	-0.0930244	-0.045423	-0.0015
72 8 4164037		109.33	-13.919	91.024	0.2360005	-0.052199		72 8 41650 2	-0.0939	74.00	-24.564	62.071	-0.1037890	-0.092990	0.0099
72 8 4164042	0.2265	109.00	-14.029	90.788	0.2317825	-0.057597	-0.0053	72 8 4165012	-0.1091	73.45	-24.708	61.512	-0.1211787	-0.131458	0.0120
72 8 4164052	0.2201	108.33	-14.248	90.316	0.2222004	-0.066486	-0.0022	72 8 4165022	-0.1385	72.90	-24.851	60.952	-0.1437873	-0.160808	0.0053
72 8 41641 2	0.2090	107.66	-14.467	89.842	0.2114530	-0.072791	-0.0024	72 8 4165032	-0.1629	72.36	-24.991	60.391	-0.1702012	-0.181033	0.0073
72 8 4164112	0.1995	106.99	-14.685	89.367	0.1999298	-0.076516	-0.0005	72 8 4165037		72.09	-25.061	60.109	-0.1844422	-0.187745	
72 8 4164122	0.1929	106.33	-14.902	88.891	0.1880320	-0.077659	0.0049	72 8 4165042	-0.1951	71.82	-25.129	59.827	-0.1990407	-0.192303	0.0040
72 8 4164132	0.1706	105.66	-15.118	88.413	0.1761612	-0.076221	-0.0056	72 8 4165052	-0.2334	71.28	-25.265	59.263	-0.2289886	-0.195538	-0.0045
72 8 4164137		105.33	-15.226	88.173	0.1703416	-0.074529		72 8 41651 2	-0.2698	70.75	-25.400	58.696	-0.2588172	-0.190897	-0.0110
72 8 4164142	0.1730	104.99	-15.333	87.934	0.1646997	-0.072451	0.0083	72 8 4165112	-0.3049	70.22	-25.532	58.128	-0.2873361	-0.178377	-0.0176
72 8 4164152	0.1520	104.33	-15.547	87.454	0.1538951	-0.067854	-0.0019	72 8 4165122	-0.3194	69.70	-25.662	57.559	-0.3133217	-0.157977	-0.0061
72 8 41642 2	0.1436	103.67	-15.761	86.972	0.1438456	-0.062685	-0.0002	72 8 4165132	-0.3501	69.17	-25.790	56.987	-0.3355538	-0.129710	-0.0145
72 8 4164212	0.1288	103.00	-15.974	86.489	0.1346323	-0.056941	-0.0058	72 8 4165137		68.91	-25.853	56.700	-0.3449129	-0.112571	
72 8 4164222	0.1310	102.34	-16.185	86.005	0.1263473	-0.050622	0.0046	72 8 4165142	-0.3467	68.66	-25.915	56.414	-0.3528826	-0.095357	0.0062
72 8 4164232	0.1195	101.68	-16.396	85.519	0.1190814	-0.043733	0.0004	72 8 4165152	-0.3550	68.14	-26.039	55.840	-0.3651995	-0.065797	0.0102
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72 8 4164242	0.1120	101.02	-16.606	85.032	0.1129206	-0.036152	-0.0009	72 8 4165212	-0.3656	67.13	-26.279	54.687	-0.3787279	-0.026523	0.0132
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72 8 41643 2	0.1100	99.71	-17.023	84.054	0.1046277	-0.016742	0.0054	72 8 4165232	-0.3730	66.13	-26.511	53.528	-0.3842387	-0.013695	0.0112
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72 8 4164322	0.1109	98.40	-17.435	83.070	0.1032291	0.008651	0.0077	72 8 4165242	-0.3886	65.64	-26.623	52.946	-0.3865080	-0.016281	-0.0020
72 8 4164332	0.1024	97.75	-17.640	82.575	0.1056897	0.023584	-0.0033	72 8 4165252	-0.3917	65.15	-26.733	52.363	-0.3892347	-0.019022	-0.0024
72 8 4164337		97.42	-17.742	82.327	0.1078175	0.031635		72 8 41653 2	-0.3947	64.67	-26.841	51.779	-0.3923225	-0.020989	-0.0023
72 8 4164342	0.1089	97.09	-17.844	82.079	0.1105235	0.038394	-0.0016	72 8 4165312	-0.4061	64.19	-26.946	51.192	-0.3956549	-0.022184	-0.0104
72 8 4164352	0.1176	96.45	-18.046	81.582	0.1169574	0.043284	0.0006	72 8 4165322	-0.4175	63.71	-27.049	50.605	-0.3991116	-0.022605	-0.0184
72 8 41644 2	0.1254	95.80	-18.247	81.084	0.1232521	0.036618	0.0021	72 8 4165429		60.65	-27.677	46.635	-0.4165788	-0.005492	
72 8 4164412	0.1246	95.15	-18.448	80.583	0.1276337	0.018392	-0.0030	72 8 4165536	-0.3831	57.79	-28.193	42.611	-0.3943848	0.058330	0.0113
72 8 4164422	0.1222	94.51	-18.647	80.082	0.1283204	-0.011395	-0.0062	72 8 4165546	-0.3754	57.39	-28.260	42.005	-0.3843023	0.072895	0.0089
72 8 4164432	0.1286	93.86	-18.845	79.578	0.1235360	-0.052724	0.0050	72 8 4165556	-0.3516	56.90	-28.324	41.400	-0.3718781	0.086768	0.0203
72 8 4164437		93.54	-18.943	79.326	0.1185195	-0.077798		72 8 41656 2	-0.3555	56.59	-28.386	40.793	-0.3569163	0.105942	0.0014
72 8 4164442	0.1090	93.22	-19.041	79.073	0.1115760	-0.102586	-0.0026	72 8 4165616	-0.3525	56.20	-28.445	40.185	-0.3392043	0.124432	-0.0133
72 8 4164452	0.0906	92.59	-19.237	78.567	0.0925398	-0.142631	-0.0019	72 8 4165626	-0.3273	55.81	-28.501	39.576	-0.3185459	0.144230	-0.0087
72 8 41645 2	0.0746	91.95	-19.431	78.059	0.0683415	-0.169779	0.0063	72 8 4165631		55.62	-28.529	39.271	-0.3070358	0.154631	
72 8 4164512	0.0454	91.31	-19.624	77.550	0.0489468	-0.184051	0.0044	72 8 4165636	-0.3101	55.43	-28.555	38.966	-0.2947561	0.165049	-0.0154
72 8 4164522	0.0095	90.68	-19.815	77.039	0.0123472	-0.185435	-0.0028	72 8 4165646	-0.2785	55.05	-28.606	38.355	-0.2677887	0.185220	-0.0107
72 8 4164532	-0.0143	90.05	-20.006	76.526	-0.0154636	-0.173936	0.0011	72 8 4165656	-0.2502	54.68	-28.655	37.745	-0.2377888	0.204455	-0.0124
72 8 4164537		89.73	-20.101	76.269	-0.0204947	-0.163321		72 8 41657 2	-0.2027	54.31	-28.700	37.132	-0.2049131	0.222746	0.0022
72 8 4164542	-0.0455	89.42	-20.195	76.012	-0.0405754	-0.151601	-0.0049	72 8 4165716	-0.1498	53.95	-28.743	36.519	-0.1692817	0.248107	0.0195
72 8 4164552	-0.0592	88.79	-20.382	75.497	-0.0622628	-0.130819	0.0031	72 8 4165721		53.78	-28.764	36.212	-0.1504750	0.248440	
72 8 41646 2	-0.0817	88.7	-20.569	74.979	-0.0810245	-0.113671	-0.0007	72 8 4165726	-0.1114	53.60	-28.783	35.906	-0.1311240	0.253654	0.0197
72 8 4164612	-0.0971	87.55	-20.753	74.460	-0.0974325	-0.100146	0.0003	72 8 4165736	-0.0992	53.25	-28.821	35.291	-0.0923705	0.246117	-0.0068
72 8 4164622	-0.1206	86.93	-20.937	73.940	-0.1120379	-0.080248	-0.0086	72 8 4165746	-0.0514	52.91	-28.855	34.676	-0.0566074	0.214608	0.0052
72 8 4164632	-0.1227	86.31	-21.119	73.417	-0.1253946	-0.083981	0.0027	72 8 4165756	-0.0391	52.57	-28.887	34.061	-0.0275389	0.159126	-0.0116
72 8 4164637		86.00	-21.209	73.155	-0.1317996	-0.082204		72 8 41658 2	-0.0094	52.23	-28.916	33.444	-0.0088590	0.079704	-0.0085
72 8 4164642	-0.1353	85.70	-21.299	72.893	-0.1380587	-0.080877	0.0028	72 8 4165811		52.07	-28.930	33.135	-0.0045551	0.030859	
72 8 4164652	-0.1437	85.09	-21.478	72.368	-0.1502974	-0.078141	0.0065	72 8 4165816	-0.0179	51.91	-28.943	32.827	-0.0040098	-0.014610	-0.0138
72 8 41647 2	-0.1658	84.48	-21.656	71.841	-0.1621031	-0.075307	-0.0037	72 8 4165826	-0.0138	51.58	-28.966	32.210	-0.0110664	-0.068878	-0.0027
72 8 4164712	-0.1689	83.87	-21.832	71.312	-0.1734693	-0.072373	0.0046	72 8 4165836	-0.0082	51.27	-28.987	31.592	-0.0226815	-0.073908	0.0145
72 8 4164722	-0.1924	83.26	-22.006	70.782	-0.1843763	-0.069340	-0.0080	72 8 4165846	-0.0248	50.96	-29.005	30.973	-0.0312868	-0.029704	0.0065
72 8 4164732	-0.1953	82.66	-22.179	70.250	-0.1948051	-0.066209	-0.0005	72 8 4165856	-0.0217	50.65	-29.020	30.355	-0.0292988	0.063745	0.0076
72 8 4164737		82.36	-22.265	69.982	-0.1998515	-0.064601		72 8 41659 2		50.50	-29.027	30.045	-0.0219528	0.129015	
72 8 4164742	-0.1990	82.06	-22.350	69.716	-0.2047239	-0.062036	0.0057	72 8 4165916	-0.0010	50.35	-29.032	29.736	-0.0094499	0.194653	0.0084

72 8 4165946	0.1744	49.21	-29.053	27.256	0.1848045	0.316757	-0.0105	72 8 417 846	0.1053	43.38	-25.020	-5.576	0.0924974	-0.193390	0.0128
72 8 4165951		49.07	-29.053	26.946	0.2079048	0.281502		72 8 417 856	0.0760	43.45	-24.876	-6.156	0.0622467	-0.201325	0.0138
72 8 4165956	0.2268	48.94	-29.052	26.637	0.2280696	0.243796	-0.0013	72 8 417 9 6	0.0339	43.52	-24.729	-6.735	0.0300670	-0.218160	0.0038
72 8 417 0 6	0.2789	48.67	-29.047	26.016	0.2609035	0.187198	0.0179	72 8 417 916	-0.0133	43.60	-24.580	-7.313	-0.0053621	-0.243870	-0.0079
72 8 417 016	0.3047	48.42	-29.039	25.395	0.2869681	0.155680	0.0178	72 8 417 921		43.64	-24.505	-7.601	-0.0247455	-0.260068	
72 8 417 026	0.3164	48.16	-29.029	24.775	0.3101135	0.149265	0.0063	72 8 417 926	-0.0457	43.68	-24.429	-7.889	-0.0453591	-0.275687	-0.0004
72 8 417 036	0.3507	47.92	-29.016	24.154	0.3341940	0.167944	0.0165	72 8 417 936	-0.0939	43.78	-24.276	-8.464	-0.0896146	-0.296949	-0.0042
72 8 417 041		47.79	-29.008	23.843	0.3478366	0.186754		72 8 417 946	-0.1468	43.87	-24.120	-9.037	-0.1360802	-0.304840	-0.0107
72 8 417 046	0.3537	47.67	-29.000	23.533	0.3629694	0.207011	-0.0093	72 8 417 956	-0.1879	43.98	-23.963	-9.609	-0.1827329	-0.299382	-0.0052
72 8 417 056	0.3803	47.44	-28.981	22.913	0.3973812	0.238012	-0.0171	72 8 41710 6	-0.2306	44.09	-23.803	-10.179	-0.2275504	-0.280554	-0.0030
72 8 417 1 6	0.4204	47.21	-28.959	22.292	0.4355625	0.256176	-0.0152	72 8 4171011		44.15	-23.722	-10.465	-0.2486448	-0.266103	
72 8 417 116	0.4621	46.99	-28.935	21.671	0.4755669	0.261518	-0.0135	72 8 4171016	-0.2600	44.21	-23.641	-10.749	-0.2685154	-0.252433	0.0085
72 8 417 126	0.5111	46.77	-28.907	21.051	0.5154058	0.254027	-0.0043	72 8 4171026	-0.3001	44.33	-23.478	-11.315	-0.3061050	-0.239395	0.0060
72 8 417 131		46.66	-28.892	20.740	0.5346668	0.245459		72 8 4171036	-0.3331	44.46	-23.312	-11.882	-0.3431909	-0.245537	0.0101
72 8 417 136	0.5656	46.56	-28.877	20.431	0.5531550	0.236206	0.0125	72 8 4171046	-0.3815	44.59	-23.144	-12.446	-0.3826696	-0.270848	0.0012
72 8 417 146	0.5985	46.35	-28.844	19.810	0.5884053	0.223047	0.0101	72 8 4171056	-0.4340	44.74	-22.975	-13.009	-0.4275171	-0.315326	-0.0064
72 8 417 156	0.6453	46.15	-28.808	19.191	0.6221827	0.217066	0.0231	72 8 41711 1		44.81	-22.889	-13.290	-0.4529339	-0.344823	
72 8 417 2 6	0.6620	45.96	-28.769	18.572	0.6555796	0.218261	0.0064	72 8 41711 6	-0.4844	44.88	-22.803	-13.570	-0.4805705	-0.372999	-0.0038
72 8 417 216	0.6755	45.77	-28.728	17.953	0.6897248	0.226633	-0.0142	72 8 4171116	-0.5465	45.04	-22.630	-14.130	-0.5409907	-0.407561	-0.0055
72 8 417 221		45.68	-28.706	17.644	0.7074253	0.233513		72 8 4171126	-0.6098	45.20	-22.454	-14.688	-0.6044887	-0.413008	-0.0053
72 8 417 226	0.7255	45.59	-28.683	17.335	0.7256542	0.239971	-0.0001	72 8 4171136	-0.6545	45.37	-22.277	-15.245	-0.6666290	-0.389313	0.0121
72 8 417 236	0.7479	45.42	-28.636	16.716	0.7630970	0.245001	-0.0152	72 8 4171146	-0.7237	45.54	-22.098	-15.801	-0.7228383	-0.336509	-0.0009
72 8 417 246	0.7922	45.25	-28.586	16.098	0.8005183	0.239513	-0.0083	72 8 4171151		45.63	-22.008	-16.078	-0.7473534	-0.299159	
72 8 417 256	0.8344	45.08	-28.534	15.481	0.8362852	0.223502	-0.0019	72 8 4171156	-0.7649	45.72	-21.917	-16.354	-0.7688258	-0.260134	0.0039
72 8 417 3 6	0.8777	44.93	-28.478	14.864	0.8687669	0.196981	0.0089	72 8 41712 6	-0.8170	45.90	-21.734	-16.907	-0.8035481	-0.193449	-0.0135
72 8 417 311		44.85	-28.449	14.556	0.8833159	0.179723		72 8 4171217	-0.8199	46.11	-21.531	-17.513	-0.8313271	-0.137804	0.0115
72 8 417 316	0.9092	44.78	-28.420	14.248	0.8963962	0.161015	0.0128	72 8 4171227	-0.8487	46.31	-21.345	-18.062	-0.8496783	-0.103295	0.0010
72 8 417 326	0.9205	44.63	-28.359	13.633	0.9182113	0.122121	0.0022	72 8 4171237	-0.8661	46.52	-21.157	-18.609	-0.8638966	-0.084080	-0.0022
72 8 417 336	0.9322	44.50	-28.295	13.018	0.9339038	0.081530	-0.0018	72 8 4171242		46.62	-21.062	-18.883	-0.8702048	-0.080203	
72 8 417 346	0.9374	44.37	-28.228	12.403	0.9432094	0.039092	-0.0058	72 8 4171247	-0.8805	46.73	-20.967	-19.155	-0.8762599	-0.076875	-0.0042
72 8 417 356	0.9387	44.24	-28.159	11.790	0.9458455	-0.005137	-0.0071	72 8 4171257	-0.8940	46.94	-20.775	-19.700	-0.8870804	-0.061945	-0.0069
72 8 417 4 1		44.18	-28.123	11.483	0.9445739	-0.027949		72 8 41713 7	-0.8868	47.16	-20.582	-20.243	-0.8947556	-0.035988	0.0080
72 8 417 4 6	0.9428	44.12	-28.087	11.177	0.9415801	-0.049444	0.0012	72 8 4171317	-0.8940	47.39	-20.387	-20.785	-0.8975886	0.001029	0.0036
72 8 417 416	0.9277	44.01	-28.012	10.565	0.9311993	-0.083508	-0.0035	72 8 4171327	-0.8906	47.63	-20.191	-21.325	-0.8938776	0.049050	0.0033
72 8 417 426	0.9241	43.90	-27.935	9.954	0.9164962	-0.105628	0.0076	72 8 4171332		47.75	-20.092	-21.594	-0.8890349	0.077218	
72 8 417 436	0.8954	43.80	-27.854	9.343	0.8929597	-0.115807	-0.0038	72 8 4171337	-0.8857	47.87	-19.993	-21.863	-0.8819956	0.105527	-0.0038
72 8 417 446	0.9027	43.71	-27.772	8.733	0.8814619	-0.114028	0.0212	72 8 4171348	-0.8567	48.14	-19.773	-22.453	-0.8594031	0.159435	0.0027
72 8 417 451		43.67	-27.729	8.429	0.8728711	-0.108654		72 8 4171358	-0.8353	48.39	-19.572	-22.989	-0.8317557	0.198360	-0.0035
72 8 417 456	0.8598	43.62	-27.686	8.125	0.8647705	-0.102255	-0.0050	72 8 41714 8	-0.8034	48.65	-19.369	-23.523	-0.7988312	0.227718	-0.0046
72 8 417 5 6	0.8441	43.54	-27.598	7.517	0.8498475	-0.092204	-0.0057	72 8 4171418	-0.7675	48.91	-19.165	-24.055	-0.7621533	0.247466	-0.0053
72 8 417 516	0.8310	43.47	-27.507	6.909	0.8361977	-0.085846	-0.0052	72 8 4171423		49.05	-19.062	-24.321	-0.7428165	0.253756	
72 8 417 526	0.8097	43.40	-27.414	6.304	0.8232428	-0.083171	-0.0136	72 8 4171428	-0.7222	49.18	-18.959	-24.586	-0.7231452	0.258778	0.0009
72 8 417 536	0.8061	43.34	-27.318	5.699	0.8104067	-0.084182	-0.0043	72 8 4171438	-0.6758	49.46	-18.752	-25.116	-0.6825420	0.268586	0.0067
72 8 417 541		43.31	-27.269	5.396	0.8038495	-0.086074		72 8 4171448	-0.6375	49.74	-18.543	-25.643	-0.6404870	0.278036	0.0030
72 8 417 546	0.8016	43.28	-27.219	5.095	0.7971175	-0.089789	0.0045	72 8 4171458	-0.5932	50.03	-18.333	-26.170	-0.5970050	0.287135	0.0039
72 8 417 556	0.7924	43.23	-27.118	4.492	0.7822368	-0.105482	0.0102	72 8 41715 8	-0.5511	50.32	-18.122	-26.696	-0.5521169	0.295889	0.0011
72 8 417 6 6	0.7847	43.19	-27.014	3.890	0.7640802	-0.132204	0.0206	72 8 4171513		50.47	-18.016	-26.957	-0.5291741	0.300134	
72 8 417 616	0.7390	43.16	-26.908	3.289	0.7409799	-0.169916	-0.0020	72 8 4171518	-0.5060	50.62	-17.909	-27.219	-0.5059659	0.303358	-0.0001
72 8 417 621		43.14	-26.854	2.989	0.7270313	-0.192917		72 8 4171528	-0.4671	50.93	-17.695	-27.741	-0.4591449	0.303981	-0.0000
72 8 417 626	0.7089	43.13	-26.799	2.690	0.7112797	-0.216718	-0.0024	72 8 4171538	-0.4123	51.24	-17.480	-28.262	-0.4127926	0.296821	0.0005
72 8 417 636	0.6614	43.10	-26.688	2.091	0.6744370	-0.261132	-0.0130	72 8 4171548	-0.3728	51.55	-17.263	-28.781	-0.3681741	0.281887	-0.0046
72 8 417 646	0.6178	43.09	-26.574	1.494	0.6311246	-0.301171	-0.0134	72 8 4171558	-0.3263	51.88	-17.046	-29.299	-0.3264514	0.259177	0.0002
72 8 417 656	0.5799	43.08	-26.458	0.898	0.5819857	-0.336871	-0.0021	72 8 41716 3		52.04	-16.936	-29.558	-0.3069809	0.244850	
72 8 417 7 1		43.07	-26.398	0.600	0.5553803	-0.353127		72 8 41716 8	-0.2913	52.20	-16.826	-29.816	-0.2887678	0.229738	-0.0025
72 8 417 7 6	0.5221	43.07	-26.339	0.303	0.5276921	-0.366476	-0.0056	72 8 4171618	-0.2523	52.53	-16.606	-30.331	-0.2557142	0.200071	0.0034
72 8 417 716	0.4819	43.07	-26.217	-0.291	0.4700848	-0.379278	0.0118	72 8 4171628	-0.2177	52.87	-16.385	-30.845	-0.2271609	0.171238	0.0095
72 8 417 726	0.4343	43.08	-26.094	-0.883	0.4119356	-0.373520	0.0224	72 8 4171638	-0.2030	53.22	-16.162	-31.358	-0.2029634	0.143219	0.0000
72 8 417 736	0.3654	43.10	-25.968	-1.475	0.3560607	-0.349178	0.0094	72 8 4171648	-0.1839	53.57	-15.939	-31.968	-0.1830288	0.116054	-0.0008
72 8 417 741		43.11	-25.904	-1.770	0.3298492	-0.330005		72 8 4171653		53.74	-15.826	-32.124	-0.1745954	0.102756	
72 8 417 746	0.3027	43.12	-25.839	-2.065	0.3053190	-0.309420	-0.0026	72 8 4171658	-0.1685	53.92	-15.714	-32.378	-0.1671952	0.090279	-0.0014
72 8 417 756	0.2471	43.15	-25.709	-2.653	0.2605903	-0.273118	-0.0135	72 8 41717 8	-0.1550	54.28	-15.488	-32.887	-0.1549836	0.069231	0.0000
72 8 417 8 6	0.2121	43.18	-25.576	-3.240	0.2209106	-0.243412	-0.0089	72 8 4171718	-0.1468	54.65	-15.261	-33.394	-0.1456101	0.053500	-0.0011
72 8 417 816	0.1672	43.22	-25.440	-3.827	0.1853196	-0.220345	-0.0181	72 8 4171728	-0.1383	55.02	-15.033	-33.900	-0.1382492	0.043069	0.0000
72 8 417 826	0.1476	43.27	-25.302	-4.411	0.1527686	-0.203894									

72 8 4171758	-0.1229	56.16	-14.343	-35.409	-0.1200973	0.042986	-0.0028	72 8 4172728	0.2609	85.39	-0.259	-62.434	0.2535572	-0.065602	0.0073
72 8 417178	-0.1089	56.55	-14.111	-35.910	-0.1130254	0.048957	0.0042	72 8 4172738	0.2365	86.01	-0.006	-62.890	0.2414359	-0.092531	-0.0050
72 8 4171818	-0.0967	56.95	-13.879	-36.409	-0.1050029	0.055409	0.0063	72 8 4172748	0.2228	86.62	0.246	-63.345	0.2248675	-0.123524	-0.0021
72 8 4171828	-0.0931	57.35	-13.645	-36.908	-0.0959504	0.062348	0.0029	72 8 4172753		86.93	0.372	-63.573	0.2146929	-0.140590	
72 8 4171838	-0.0906	57.75	-13.410	-37.405	-0.0857851	0.069778	-0.0048	72 8 4172758	0.2084	87.24	0.498	-63.800	0.2032497	-0.157305	0.0051
72 8 4171848	-0.0652	58.17	-13.175	-37.901	-0.0744470	0.077689	0.0093	72 8 41728	0.1723	87.86	0.750	-64.255	0.1767325	-0.186089	-0.0045
72 8 4171853		58.37	-13.057	-38.149	-0.0682983	0.081836		72 8 4172818	0.1425	88.48	1.001	-64.709	0.1462943	-0.208528	-0.0038
72 8 4171858	-0.0600	58.58	-12.939	-38.396	-0.0618522	0.086170	0.0019	72 8 4172828	0.1191	89.11	1.252	-65.164	0.1128901	-0.224646	0.0062
72 8 41719	-0.0483	59.00	-12.701	-38.890	-0.0478635	0.095732	-0.0004	72 8 4172838	0.0813	89.74	1.503	-65.618	0.0774660	-0.234446	0.0038
72 8 4171918	-0.0435	59.43	-12.464	-39.381	-0.0323253	0.105446	-0.0112	72 8 4172848	0.0463	90.37	1.754	-66.072	0.0410471	-0.237915	0.0053
72 8 4171928	-0.0181	59.86	-12.225	-39.873	-0.0150494	0.116319	-0.0031	72 8 4172853		90.68	1.879	-66.299	0.0227190	-0.237276	
72 8 4171938	-0.0022	60.30	-11.986	-40.363	0.0041570	0.121359	-0.0063	72 8 4172858	0.0004	91.00	2.004	-66.525	0.0045783	-0.235158	-0.0042
72 8 4171948	0.0264	60.74	-11.746	-40.852	0.0254441	0.145549	0.0009	72 8 41729	-0.0413	91.63	2.255	-66.979	-0.0310518	-0.226738	-0.0102
72 8 4171953		60.96	-11.625	-41.096	0.0369546	0.153096		72 8 4172918	-0.0575	92.27	2.504	-67.432	-0.0649329	-0.212763	0.0075
72 8 4171958	0.0483	61.18	-11.505	-41.340	0.0489740	0.159737	-0.0007	72 8 4172928	-0.0996	92.91	2.754	-67.885	-0.0962363	-0.193229	-0.0033
72 8 41720	0.0793	61.63	-11.263	-41.827	0.0742269	0.166926	0.0050	72 8 4172938	-0.1223	93.55	3.003	-68.339	-0.1241256	-0.168116	0.0018
72 8 4172018	0.1025	62.09	-11.021	-42.313	0.0999380	0.165936	0.0026	72 8 4172948	-0.1550	94.19	3.252	-68.791	-0.1477043	-0.137461	-0.0072
72 8 4172028	0.1353	62.55	-10.778	-42.798	0.1248682	0.156774	0.0104	72 8 4172953		94.51	3.376	-69.018	-0.1576383	-0.120009	
72 8 4172038	0.1500	63.01	-10.535	-43.282	0.1477757	0.139424	0.0022	72 8 4172958	-0.1556	94.83	3.500	-69.244	-0.1661732	-0.102590	0.0106
72 8 4172048	0.1697	63.48	-10.291	-43.764	0.1673692	0.113913	0.0023	72 8 41730	-0.1948	95.48	3.749	-69.697	-0.1795143	-0.071581	-0.0152
72 8 4172053		63.71	-10.168	-44.005	0.1755535	0.098056		72 8 4173018	-0.1727	96.12	3.996	-70.149	-0.1884796	-0.045834	0.0158
72 8 4172058	0.1785	63.95	-10.046	-44.246	0.1824528	0.081940	-0.0040	72 8 4173028	-0.1919	96.77	4.243	-70.602	-0.1938865	-0.025324	0.0020
72 8 41721	0.1821	64.43	-9.801	-44.727	0.1928305	0.053793	-0.0108	72 8 4173038	-0.1989	97.42	4.490	-71.055	-0.1965418	-0.010043	-0.0024
72 8 4172118	0.2021	64.91	-9.555	-45.206	0.1993003	0.031238	0.0027	72 8 4173048	-0.1987	98.08	4.736	-71.507	-0.1972481	-0.000012	-0.0014
72 8 4172128	0.1951	65.40	-9.309	-45.685	0.2027283	0.014252	-0.0076	72 8 4173053		98.40	4.860	-71.734	-0.1971228	0.003045	
72 8 4172138	0.2012	65.89	-9.062	-46.163	0.2039717	0.002829	-0.0028	72 8 4173058	-0.1982	98.73	4.982	-71.960	-0.1967997	0.005342	-0.0014
72 8 4172148	0.2058	66.38	-8.815	-46.640	0.2038861	-0.003014	0.0039	72 8 41731	-0.2036	99.38	5.228	-72.413	-0.1956555	0.009399	-0.0080
72 8 4172153		66.63	-8.691	-46.879	0.2036126	-0.003848		72 8 4173118	-0.1891	100.04	5.473	-72.865	-0.1939446	0.012718	0.0048
72 8 4172158	0.2071	66.88	-8.567	-47.116	0.2032981	-0.004530	0.0038	72 8 4173128	-0.1885	100.70	5.717	-73.318	-0.1917796	0.015304	0.0033
72 8 41722	0.2101	67.38	-8.319	-47.592	0.2022968	-0.009213	0.0078	72 8 4173138	-0.1891	101.36	5.961	-73.771	-0.1892713	0.017156	0.0002
72 8 4172218	0.2049	67.89	-8.071	-48.066	0.2002363	-0.018308	0.0047	72 8 4173148	-0.1837	102.02	6.204	-74.223	-0.1865365	0.018272	0.0028
72 8 4172228	0.1925	68.40	-7.821	-48.539	0.1964369	-0.031817	-0.0039	72 8 4173153		102.34	6.326	-74.450	-0.1851157	0.018555	
72 8 4172238	0.1908	68.92	-7.572	-49.012	0.1902137	-0.049756	0.0005	72 8 4173158	-0.1938	102.68	6.447	-74.677	-0.1836842	0.018742	-0.0101
72 8 4172248	0.1762	69.44	-7.323	-49.484	0.1808964	-0.072098	-0.0047	72 8 41732	-0.1723	103.34	6.689	-75.130	-0.1807711	0.019093	0.0085
72 8 4172253		69.69	-7.197	-49.720	0.1748494	-0.084953		72 8 4173218	-0.1828	104.00	6.931	-75.583	-0.1778083	0.019415	-0.0050
72 8 4172258	0.1627	69.96	-7.072	-49.955	0.1678461	-0.097130	-0.0051	72 8 4173228	-0.1759	104.67	7.172	-76.036	-0.1747984	0.019706	-0.0011
72 8 41723	0.1529	70.49	-6.822	-50.426	0.1514347	-0.114473	0.0014	72 8 4173238	-0.1673	105.33	7.412	-76.490	-0.1717437	0.019968	0.0044
72 8 4172318	0.1318	71.02	-6.571	-50.895	0.1330945	-0.122362	-0.0013	72 8 4173248	-0.1650	106.00	7.652	-76.943	-0.1686532	0.020200	0.0037
72 8 4172328	0.1233	71.55	-6.320	-51.364	0.1142665	-0.120813	0.0090	72 8 4173253		106.33	7.772	-77.170	-0.1670918	0.020305	
72 8 4172338	0.0884	72.09	-6.069	-51.832	0.0963905	-0.109815	-0.0080	72 8 4173258	-0.1680	106.66	7.891	-77.397	-0.1655266	0.020514	-0.0025
72 8 4172348	0.0918	72.63	-5.818	-52.299	0.0809455	-0.089384	0.0108	72 8 41733	-0.1660	107.33	8.130	-77.851	-0.1622965	0.021591	-0.0037
72 8 4172353		72.90	-5.692	-52.533	0.0745705	-0.075596		72 8 4173318	-0.1520	108.00	8.367	-78.305	-0.1588358	0.023542	0.0069
72 8 4172358	0.0657	73.18	-5.566	-52.766	0.0693413	-0.060633	-0.0037	72 8 4173328	-0.1703	108.67	8.604	-78.759	-0.1558075	0.026368	-0.0153
72 8 41724	0.0630	73.73	-5.314	-53.232	0.0623370	-0.030275	0.0006	72 8 4173338	-0.1399	109.34	8.841	-79.214	-0.1506738	0.030072	0.0108
72 8 4172418	0.0578	74.28	-5.062	-53.697	0.0600418	0.000516	-0.0022	72 8 4173348	-0.1429	110.01	9.076	-79.669	-0.1457063	0.034648	0.0028
72 8 4172428	0.0636	74.84	-4.810	-54.162	0.0625193	0.031765	0.0011	72 8 4173353		110.34	9.194	-79.897	-0.1429354	0.037270	
72 8 4172438	0.0595	75.40	-4.557	-54.626	0.0698467	0.063492	-0.0104	72 8 4173358	-0.1506	110.68	9.311	-80.124	-0.1399722	0.039910	-0.0106
72 8 4172448	0.0830	75.96	-4.305	-55.089	0.0820837	0.095654	0.0010	72 8 41734	-0.1243	111.35	9.546	-80.580	-0.1334485	0.044723	0.0091
72 8 4172453		76.24	-4.178	-55.321	0.0900854	0.111941		72 8 4173418	-0.1261	112.02	9.779	-81.035	-0.1262390	0.048888	0.0091
72 8 4172458	0.0998	76.53	-4.052	-55.552	0.0992691	0.126910	0.0005	72 8 4173428	-0.1247	112.70	10.012	-81.491	-0.1184382	0.052408	-0.0063
72 8 41725	0.1265	77.10	-3.799	-56.014	0.1206502	0.149074	0.0058	72 8 4173438	-0.1020	113.37	10.244	-81.948	-0.1101391	0.055287	0.0081
72 8 4172518	0.1510	77.67	-3.546	-56.476	0.1446178	0.160739	0.0064	72 8 4173448	-0.1049	114.04	10.475	-82.404	-0.1014528	0.057520	-0.0034
72 8 4172528	0.1666	78.25	-3.293	-56.937	0.1695741	0.161926	-0.0030	72 8 4173453		114.37	10.590	-82.633	-0.0969833	0.058397	
72 8 4172538	0.1960	78.83	-3.040	-57.398	0.1939241	0.152624	0.0021	72 8 4173458	-0.0935	114.71	10.705	-82.862	-0.0924687	0.059256	-0.0010
72 8 4172548	0.2139	79.41	-2.787	-57.857	0.2160191	0.132846	-0.0021	72 8 41735	-0.0834	115.39	10.935	-83.319	-0.0831882	0.061384	-0.0002
72 8 4172553		79.70	-2.660	-58.088	0.2257441	0.118994		72 8 4173518	-0.0743	116.06	11.163	-83.777	-0.0735456	0.064051	-0.0008
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72 8 41726	0.2522	80.58	-2.281	-58.777	0.2482467	0.077293	0.0040	72 8 4173538	-0.0498	117.41	11.618	-84.694	-0.0528145	0.071003	0.0030
72 8 4172618	0.2492	81.17	-2.028	-59.235	0.2582728	0.053585	-0.0091	72 8 4173548	-0.0499	118.08	11.843	-85.152	-0.0415676	0.075287	-0.0083
72 8 4172628	0.2765	81.77	-1.775	-59.693	0.2649038	0.033158	0.0116	72 8 4173553		118.41	11.956	-85.383	-0.0356735	0.077637	
72 8 4172638	0.2636	82.37	-1.522	-60.151	0.2686460	0.016000	-0.0051	72 8 4173558	-0.0298	118.75	12.069	-85.612	-0.0296250	0.079919	-0.0001
72 8 4172648	0.2718	82.97	-1.269	-60.608	0.2699991	0.002136	0.0018	72 8 41736	-0.0090	119.43	12.293	-86.072	-0.0170126	0.083745	0.0080
72 8 4172653		83.26	-1.143	-60.837	0.2699382	-0.003577		72 8 4173618	-0.0100	120.10	12.516	-86.532	-0.0038979	0.086568	-0.0062
72 8 4172658	0.2737	83.57	-1.016	-61.066	0.2694480	-0.009364	0.0043								

72 8 4173653		122.45	13.290	-88.147	0.0438317	0.088565	
72 8 4173658	0.0509	122.79	13.400	-88.378	0.0506019	0.087765	0.0003
72 8 41737 8	0.0642	123.46	13.618	-88.841	0.0639157	0.084896	0.0003
72 8 4173718	0.0763	124.13	13.835	-89.304	0.0766488	0.080342	-0.0003
72 8 4173728	0.0869	124.80	14.052	-89.768	0.0885516	0.074103	-0.0017
72 8 4173738	0.0944	125.47	14.267	-90.232	0.0993721	0.066170	-0.0050
72 8 4173748	0.1129	126.14	14.481	-90.697	0.1088348	0.056557	0.0041
72 8 4173753		126.47	14.588	-90.930	0.1129878	0.051106	
72 8 4173758	0.1144	126.80	14.695	-91.162	0.1166932	0.045428	-0.0023
72 8 41738 8	0.1275	127.47	14.907	-91.629	0.1227968	0.033803	0.0047
72 8 4173818	0.1264	128.14	15.118	-92.095	0.1270835	0.021870	-0.0007
72 8 4173828	0.1384	128.80	15.328	-92.562	0.1295101	0.009621	0.0088
72 8 4173838	0.1214	129.47	15.537	-93.030	0.1300275	-0.002953	-0.0086
72 8 4173848	0.1212	130.13	15.744	-93.498	0.1285863	-0.015834	-0.0074
72 8 4173853		130.46	15.848	-93.733	0.1271126	-0.022407	
72 8 4173858	0.1266	130.80	15.951	-93.967	0.1251481	-0.028675	0.0015
72 8 41739 8	0.1250	131.46	16.157	-94.437	0.1198795	-0.039339	0.0051
72 8 4173918	0.1148	132.12	16.361	-94.907	0.1131702	-0.047452	0.0016
72 8 4173928	0.1081	132.78	16.564	-95.378	0.1054083	-0.053023	0.0026
72 8 4173938	0.0929	133.44	16.766	-95.850	0.0969785	-0.056053	-0.0041
72 8 4173948	0.0866	134.09	16.966	-96.321	0.0882845	-0.056537	-0.0016
72 8 4173953		134.42	17.067	-96.558	0.0839490	-0.055824	
72 8 4173958	0.0829	134.75	17.166	-96.795	0.0797079	-0.054626	0.0032
72 8 41740 8	0.0725	135.40	17.364	-97.268	0.0715436	-0.051197	0.0010
72 8 4174018	0.0571	136.06	17.561	-97.742	0.0640180	-0.046402	-0.0069
72 8 4174028	0.0576	136.71	17.757	-98.217	0.0573353	-0.040240	0.0003
72 8 4174038	0.0586	137.36	17.951	-98.693	0.0517022	-0.032705	0.0068
72 8 4174048	0.0448	138.01	18.144	-99.169	0.0473373	-0.023807	-0.0026
72 8 4174053		138.33	18.241	-99.408	0.0456914	-0.018834	
72 8 4174058	0.0475	138.65	18.336	-99.647	0.0444431	-0.013680	0.0030
72 8 41741 8	0.0402	139.30	18.527	-100.125	0.0431445	-0.003145	-0.0029
72 8 4174118	0.0397	139.94	18.716	-100.603	0.0434872	0.007644	-0.0037
72 8 4174128	0.0471	140.58	18.904	-101.082	0.0455099	0.018693	0.0015
72 8 4174138	0.0540	141.22	19.031	-101.563	0.0492561	0.030012	0.0047
72 8 4174148	0.0514	141.86	19.276	-102.043	0.0547605	0.041584	-0.0034
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72 8 5 82733	0.5956	153.60	0.957	111.551	0.6316690	-1.413312	-0.0361
72 8 5 82748	0.4881	152.65	0.605	110.916	0.3787438	-0.805258	0.1094
72 8 5 82758	0.2521	152.02	0.370	110.492	0.2799505	-0.490607	-0.0278
72 8 5 828 8	0.1667	151.38	0.134	110.068	0.2240043	-0.248613	-0.0574
72 8 5 82818	0.1740	150.74	-0.101	109.643	0.1997117	-0.079212	-0.0257

72 8 5 82828	0.1987	150.10	-0.337	109.219	0.1959023	0.017607	0.0027
72 8 5 82833		149.78	-0.455	109.006	0.1981897	0.038789	
72 8 5 82838	0.2194	149.46	-0.573	108.794	0.2016093	0.049788	0.0178
72 8 5 82848	0.2266	148.82	-0.809	108.368	0.2105744	0.065280	0.0160
72 8 5 82858	0.2290	148.17	-1.045	107.942	0.2212565	0.072079	0.0077
72 8 5 829 8	0.2378	147.52	-1.281	107.517	0.2323140	0.070184	0.0054
72 8 5 82918	0.2571	146.86	-1.518	107.090	0.2424111	0.059597	0.0147
72 8 5 82928	0.2368	146.21	-1.754	106.663	0.2502113	0.040312	-0.0134
72 8 5 82933		145.88	-1.872	106.449	0.2528318	0.027404	
72 8 5 82938	0.2430	145.55	-1.991	106.236	0.2544244	0.014312	-0.0114
72 8 5 82948	0.2498	144.89	-2.227	105.808	0.2549305	-0.006549	-0.0051
72 8 5 82958	0.2420	144.23	-2.464	105.380	0.2527734	-0.020294	-0.0108
72 8 5 830 8	0.2560	143.57	-2.700	104.952	0.2490494	-0.026919	0.0070
72 8 5 83018	0.2476	142.91	-2.937	104.523	0.2448536	-0.026427	0.0027
72 8 5 83028	0.2428	142.24	-3.173	104.093	0.2412807	-0.018815	0.0015
72 8 5 83033		141.90	-3.292	103.878	0.2400702	-0.012336	
72 8 5 83038	0.2409	141.57	-3.410	103.663	0.2394012	-0.005108	0.0015
72 8 5 83048	0.2427	140.90	-3.647	103.233	0.2396800	0.008552	0.0030
72 8 5 83058	0.2448	140.23	-3.883	102.802	0.2419791	0.021145	0.0028
72 8 5 831 8	0.2462	139.55	-4.120	102.370	0.2461329	0.032664	0.0001
72 8 5 83118	0.2505	138.88	-4.356	101.938	0.2519770	0.043112	-0.0015
72 8 5 83128	0.2491	138.20	-4.593	101.505	0.2593481	0.052492	-0.0102
72 8 5 83133		137.86	-4.711	101.288	0.2635561	0.056782	
72 8 5 83138	0.2797	137.52	-4.829	101.072	0.2680806	0.060870	0.0116
72 8 5 83148	0.2699	136.84	-5.065	100.638	0.2780544	0.068674	-0.0082
72 8 5 83158	0.2880	136.16	-5.301	100.203	0.2891924	0.075974	-0.0012
72 8 5 832 8	0.3071	135.47	-5.537	99.768	0.3014154	0.082771	0.0056
72 8 5 83218	0.3200	134.79	-5.773	99.332	0.3146406	0.089062	0.0053
72 8 5 83228	0.3203	134.10	-6.008	98.896	0.3288003	0.094851	-0.0085
72 8 5 83233		133.76	-6.126	98.677	0.3362073	0.097558	
72 8 5 83238	0.3455	133.41	-6.244	98.458	0.3437952	0.099473	0.0017
72 8 5 83248	0.3673	133.72	-6.479	98.020	0.3591339	0.098949	0.0082
72 8 5 83258	0.3613	132.03	-6.714	97.582	0.3739504	0.092614	-0.0127
72 8 5 833 8	0.3941	131.34	-6.949	97.142	0.3873447	0.080468	0.0068
72 8 5 83318	0.3946	130.65	-7.184	96.702	0.3984187	0.062518	-0.0038
72 8 5 83328	0.4109	129.96	-7.418	96.261	0.4062865	0.038751	0.0046
72 8 5 83333		129.61	-7.535	96.040	0.4087375	0.024683	
72 8 5 83338	0.4053	129.26	-7.652	95.819	0.4100719	0.010064	-0.0048
72 8 5 83348	0.4044	128.57	-7.886	95.377	0.4094304	-0.018182	-0.0050
72 8 5 83358	0.4162	127.87	-8.120	94.933	0.4045424	-0.045114	0.0116
72 8 5 834 8	0.3917	127.17	-8.353	94.489	0.3956111	-0.070722	-0.0040
72 8 5 83418	0.3835	126.47	-8.586	94.044	0.3828456	-0.094998	0.0007
72 8 5 83428	0.3723	125.77	-8.819	93.598	0.3664403	-0.117959	0.0059
72 8 5 83433		125.42	-8.935	93.374	0.3569342	-0.128947	
72 8 5 83438	0.3372	125.07	-9.051	93.151	0.3466161	-0.139082	-0.0094
72 8 5 83448	0.3297	124.37	-9.283	92.703	0.3239018	-0.155279	0.0058
72 8 5 83458	0.2980	123.67	-9.514	92.254	0.2991039	-0.166048	-0.0011
72 8 5 835 8	0.2695	122.97	-9.745	91.804	0.2730669	-0.171381	-0.0035
72 8 5 83518	0.2444	122.27	-9.976	91.354	0.2466370	-0.171280	-0.0023
72 8 5 83528	0.2185	121.57	-10.206	90.902	0.2206311	-0.165745	-0.0022
72 8 5 83533		121.22	-10.321	90.676	0.2080477	-0.160937	
72 8 5 83538	0.2043	120.86	-10.436	90.450	0.1958733	-0.155640	0.0084
72 8 5 83548	0.1670	120.16	-10.666	89.996	0.1726746	-0.146174	-0.0057
72 8 5 83558	0.1650	119.46	-10.894	89.541	0.1508089	-0.138208	0.0142
72 8 5 836 8	0.1178	118.75	-11.123	89.086	0.1300536	-0.131745	-0.0123
72 8 5 83618	0.1096	118.05	-11.351	88.629	0.1101846	-0.126787	-0.0066
72 8 5 83628	0.0937	117.35	-11.578	88.171	0.0909559	-0.123329	0.0027
72 8 5 83633		117.00	-11.692	87.942	0.0815087	-0.122164	
72 8 5 83638	0.0756	116.64	-11.805	87.712	0.0721504	-0.121110	0.0034
72 8 5 83648	0.0499	115.94	-12.031	87.252	0.0537067	-0.118539	-0.0038
72 8 5 837 3	0.0161	114.88	-12.370	86.569	0.0268956	-0.113521	-0.0107
72 8 5 83718	0.0037	113.83	-12.707	85.865	0.0014036	-0.107110	0.0023
72 8 5 83733	-0.0061	112.77	-13.042	85.168	-0.0224479	-0.099307	0.0163
72 8 5 83743	-0.0321	112.07	-13.265	84.702	-0.0372806	-0.093331	0.0052
72 8 5 83748		111.72	-13.376	84.468	-0.0443426	-0.090110	
72 8 5 83753	-0.0523	111.37	-13.487	84.234	-0.0511470	-0.086786	-0.0011

72 8 5 838 3	-0.0735	110.67	-13.709	83.765	-0.0639784	-0.079975	-0.0095	72 8 5 84743	-0.3475	72.52	-24.680	54.063	-0.3608327	-0.078429	0.0134
72 8 5 83813	-0.0769	109.96	-13.929	83.295	-0.0757491	-0.072943	-0.0011	72 8 5 84753	-0.3755	71.94	-24.824	53.503	-0.3724752	-0.073659	-0.0030
72 8 5 83833	-0.1093	108.56	-14.369	82.351	-0.0959563	-0.058226	-0.0133	72 8 5 84758		71.65	-24.895	53.222	-0.3781197	-0.073076	
72 8 5 83843	-0.1009	107.86	-14.587	81.878	-0.1043293	-0.050539	0.0035	72 8 5 848 3	-0.3880	71.36	-24.966	52.942	-0.3837321	-0.073029	-0.0043
72 8 5 83853	-0.1064	107.16	-14.805	81.402	-0.1115023	-0.042634	0.0051	72 8 5 84813	-0.4010	70.79	-25.106	52.378	-0.3949416	-0.072546	-0.0061
72 8 5 83858		106.81	-14.914	81.164	-0.1146316	-0.038595		72 8 5 84823	-0.4062	70.22	-25.244	51.813	-0.4060368	-0.071542	-0.0002
72 8 5 839 3	-0.1314	106.46	-15.022	80.926	-0.1174526	-0.035011	-0.0140	72 8 5 84833	-0.4109	69.65	-25.379	51.247	-0.4169334	-0.070019	0.0060
72 8 5 83913	-0.0999	105.77	-15.238	80.448	-0.1224585	-0.030668	0.0226	72 8 5 84843	-0.4448	69.09	-25.513	50.679	-0.4275596	-0.067975	-0.0173
72 8 5 83923	-0.1266	105.07	-15.453	79.969	-0.1270872	-0.030110	0.0005	72 8 5 84853	-0.4405	68.53	-25.645	50.109	-0.4378311	-0.065410	-0.0026
72 8 5 83933	-0.1361	104.37	-15.668	79.489	-0.1319194	-0.033334	0.0041	72 8 5 84858		68.26	-25.710	49.823	-0.4428142	-0.063931	
72 8 5 83943	-0.1313	103.68	-15.881	79.007	-0.1375407	-0.040343	0.0062	72 8 5 84858		67.98	-25.774	49.538	-0.4476383	-0.061310	-0.0040
72 8 5 83953	-0.1491	102.98	-16.094	78.524	-0.1445321	-0.051137	-0.0046	72 8 5 849 3	-0.4516	67.43	-25.902	48.965	-0.4562811	-0.049550	0.0016
72 8 5 83958		102.64	-16.200	78.281	-0.1487285	-0.057961		72 8 5 84913	-0.4547	66.89	-26.027	48.390	-0.4624456	-0.029107	0.0018
72 8 5 840 3	-0.1504	102.29	-16.306	78.039	-0.1534393	-0.064419	0.0030	72 8 5 84923	-0.4606	66.34	-26.150	47.814	-0.4647955	0.000007	0.0146
72 8 5 84013	-0.1682	101.60	-16.516	77.553	-0.1640554	-0.072434	-0.0042	72 8 5 84933	-0.4502	65.81	-26.271	47.237	-0.4619965	0.037812	0.0112
72 8 5 84023	-0.1813	100.91	-16.726	77.066	-0.1753993	-0.073879	-0.0059	72 8 5 84943	-0.4508	65.27	-26.389	46.657	-0.4527105	0.084301	0.0147
72 8 5 84033	-0.1959	100.22	-16.935	76.577	-0.1864560	-0.068755	-0.0094	72 8 5 84953	-0.4380	65.01	-26.448	46.367	-0.4452079	0.110832	
72 8 5 84043	-0.1913	99.53	-17.143	76.087	-0.1962224	-0.057059	0.0049	72 8 5 84958		64.75	-26.506	46.077	-0.4356876	0.136379	0.0092
72 8 5 84053	-0.1988	98.84	-17.350	75.595	-0.2036830	-0.038792	0.0049	72 8 5 850 3	-0.4265	64.22	-26.620	45.495	-0.4114752	0.175583	-0.0175
72 8 5 84058		98.50	-17.453	75.348	-0.2062348	-0.027181		72 8 5 85013	-0.4290	63.70	-26.732	44.911	-0.3824589	0.198802	-0.0159
72 8 5 841 3	-0.1896	98.16	-17.555	75.102	-0.2078645	-0.015484	0.0183	72 8 5 85023	-0.3984	63.19	-26.841	44.326	-0.3511108	0.206035	-0.0180
72 8 5 84113	-0.2176	97.47	-17.760	74.607	-0.2086971	-0.003726	-0.0089	72 8 5 85033	-0.3692	62.67	-26.948	43.739	-0.3198678	0.197287	-0.0176
72 8 5 84123	-0.2121	96.79	-17.964	74.110	-0.2070066	0.017301	-0.0051	72 8 5 85043	-0.3374	62.17	-27.053	43.151	-0.2912014	0.172552	-0.0058
72 8 5 84133	-0.2043	96.11	-18.166	73.613	-0.2036620	0.025238	-0.0006	72 8 5 85053	-0.2970	61.91	-27.104	42.856	-0.2785903	0.154168	
72 8 5 84143	-0.1996	95.43	-18.368	73.114	-0.1995280	0.027542	-0.0001	72 8 5 85058		61.67	-27.155	42.562	-0.2675025	0.134857	0.0230
72 8 5 84153	-0.2088	94.75	-18.568	72.613	-0.1954730	0.024210	-0.0133	72 8 5 851 3	-0.2445	61.17	-27.255	41.971	-0.2493576	0.102286	0.0052
72 8 5 84158		94.41	-18.668	72.362	-0.1937446	0.020426		72 8 5 85113	-0.2442	60.68	-27.353	41.378	-0.2355974	0.077881	0.0171
72 8 5 842 3	-0.1858	94.08	-18.767	72.111	-0.1923434	0.016108	0.0065	72 8 5 85123	-0.2185	60.19	-27.448	40.785	-0.2249685	0.061646	0.0214
72 8 5 84213	-0.1902	93.40	-18.965	71.607	-0.1904724	0.008417	0.0003	72 8 5 85133	-0.2036	59.70	-27.541	40.190	-0.2162068	0.053568	-0.0118
72 8 5 84223	-0.1712	92.73	-19.162	71.101	-0.1896867	0.002007	0.0185	72 8 5 85143	-0.2280	59.23	-27.631	39.594	-0.2080599	0.053657	0.0065
72 8 5 84233	-0.1947	92.06	-19.357	70.594	-0.1897889	-0.003122	-0.0049	72 8 5 85153	-0.2016	58.99	-27.675	39.295	-0.2038194	0.056768	
72 8 5 84243	-0.1939	91.39	-19.551	70.086	-0.1905820	-0.006971	-0.0033	72 8 5 85158		58.75	-27.718	38.997	-0.1992992	0.060938	-0.0105
72 8 5 84253	-0.1952	90.72	-19.744	69.575	-0.1918691	-0.009540	-0.0033	72 8 5 852 3	-0.2098	58.28	-27.804	38.398	-0.1892596	0.069586	-0.0178
72 8 5 84258		90.39	-19.840	69.320	-0.1926371	-0.010345		72 8 5 85213	-0.2071	57.82	-27.886	37.798	-0.1778591	0.078622	-0.0077
72 8 5 843 3	-0.2106	90.06	-19.935	69.064	-0.1934327	-0.010061	-0.0172	72 8 5 85223	-0.1856	57.36	-27.966	37.197	-0.1650428	0.088044	0.0005
72 8 5 84313	-0.1709	89.40	-20.126	68.551	-0.1946041	-0.003920	0.0237	72 8 5 85233	-0.1646	56.91	-28.044	36.595	-0.1507415	0.097858	-0.0055
72 8 5 84323	-0.2024	88.74	-20.315	68.035	-0.1942580	0.009657	-0.0081	72 8 5 85243	-0.1563	56.46	-28.119	35.991	-0.1348998	0.108061	0.0116
72 8 5 84333	-0.1848	88.08	-20.502	67.519	-0.1912518	0.030660	0.0065	72 8 5 85253	-0.1233	56.23	-28.155	35.688	-0.1263729	0.113315	
72 8 5 84343	-0.2036	87.42	-20.688	67.001	-0.1844392	0.059105	-0.0192	72 8 5 85258		56.01	-28.191	35.386	-0.1175126	0.116764	0.0145
72 8 5 84353	-0.1562	86.77	-20.873	66.481	-0.1726763	0.094986	0.0165	72 8 5 853 3	-0.1031	55.58	-28.261	34.781	-0.0996710	0.112518	-0.0016
72 8 5 84358		86.44	-20.965	66.220	-0.1645712	0.115738		72 8 5 85313	-0.1013	55.14	-28.328	34.174	-0.0836028	0.093720	-0.0038
72 8 5 844 3	-0.1579	86.12	-21.056	65.959	-0.1549053	0.135211	-0.0029	72 8 5 85323	-0.0874	54.71	-28.392	33.566	-0.0715819	0.060085	0.0062
72 8 5 84413	-0.1228	85.47	-21.238	65.436	-0.1318654	0.161305	0.0091	72 8 5 85333	-0.0654	54.29	-28.454	32.957	-0.0658693	0.011688	-0.0099
72 8 5 84423	-0.1046	84.83	-21.419	64.911	-0.1061362	0.170157	0.0016	72 8 5 85343	-0.0758	54.08	-28.484	32.652	-0.0660907	-0.018054	
72 8 5 84433	-0.0945	84.18	-21.598	64.385	-0.0803807	0.161773	-0.0141	72 8 5 85353	-0.0702	53.87	-28.513	32.347	-0.0685672	-0.044689	-0.0016
72 8 5 84443	-0.0510	83.54	-21.775	63.857	-0.0572328	0.136147	0.0062	72 8 5 854 3	-0.0841	53.46	-28.570	31.736	-0.0777715	-0.068387	-0.0063
72 8 5 84453	-0.0547	82.90	-21.951	63.327	-0.0393559	0.093729	-0.0154	72 8 5 85413	-0.0823	53.05	-28.624	31.125	-0.0875916	-0.052642	0.0053
72 8 5 84458		82.59	-22.038	63.061	-0.0332179	0.065346		72 8 5 85423	-0.0864	52.65	-28.675	30.512	-0.0919517	0.002562	0.0056
72 8 5 845 3	-0.0299	82.27	-22.125	62.795	-0.0293304	0.036137	-0.0005	72 8 5 85433	-0.0843	52.26	-28.723	29.899	-0.0847839	0.097184	0.0004
72 8 5 84513	-0.0282	81.64	-22.297	62.262	-0.0279856	-0.017598	-0.0002	72 8 5 85438		52.06	-28.746	29.592	-0.0749545	0.159380	
72 8 5 84523	-0.0192	81.01	-22.469	61.727	-0.0344195	-0.064941	0.0153	72 8 5 85443	-0.0583	51.87	-28.768	29.285	-0.0602763	0.220965	0.0020
72 8 5 84533	-0.0457	80.38	-22.638	61.191	-0.0476423	-0.105880	0.0019	72 8 5 85453	-0.0083	51.48	-28.811	28.669	-0.0187229	0.311773	0.0104
72 8 5 84543	-0.0631	79.76	-22.806	60.653	-0.0666804	-0.140444	0.0036	72 8 5 855 3	0.0315	51.10	-28.851	28.054	-0.0334510	0.359226	-0.0020
72 8 5 84553	-0.0786	79.13	-22.972	60.113	-0.0905466	-0.168617	0.0119	72 8 5 85513	0.0665	50.73	-28.889	27.437	-0.0896143	0.363359	-0.0231
72 8 5 84558		78.83	-23.054	59.842	-0.1039980	-0.180319		72 8 5 85523	0.1318	50.36	-28.923	26.820	-0.1430780	0.324146	-0.0113
72 8 5 846 3	-0.1324	78.52	-23.136	59.571	-0.1182399	-0.190139	-0.0142	72 8 5 85528		50.18	-28.939	26.511	-0.1667371	0.288240	
72 8 5 84613	-0.1519	77.90	-23.298	59.028	-0.1486407	-0.203497	-0.0032	72 8 5 85533	0.1927	50.00	-28.955	26.202	-0.1873845	0.250510	0.0053
72 8 5 84623	-0.1875	77.29	-23.459	58.483	-0.1804490	-0.208428	-0.0071	72 8 5 85543	0.2273	49.64	-28.984	25.584	-0.2213787	0.195890	0.0059
72 8 5 84633	-0.2018	76.68	-23.618	57.936	-0.2123559	-0.204932	0.0106	72 8 5 85553	0.2686	49.29	-29.010	24.965	-0.2491201	0.169258	0.0194
72 8 5 84643	-0.2555	76.08	-23.776	57.388	-0.2430881	-0.193009	-0.0124	72 8 5 856 3	0.2849	48.94	-29.033	24.345	-0.2749067	0.170608	0.0100
72 8 5 84653	-0.2843	75.48	-23.931	56.838	-0.2713366	-0.172658	-0.0129	72 8 5 85613	0.2927	48.60	-29.054	23.725	-0.3030638	0.199941	-0.0104
72 8 5 84658		75.18	-24.008	56.562	-0.2841375	-0.159307		72 8 5 85618		48.44	-29.063	23.415	-0.3193801	0.225114	
72 8 5 847 3	-0.2907	74.88	-24.084	56.287	-0.2958383	-0.145539	0.0052	72 8 5 85623	0.3458	48.27	-29.071	23.105	-0.3377405	0.251454	0.0080
72															

72 8 5 857 3	0.5146	47.00	-29.113	20.619	0.5212938	0.295574	-0.0067	72 8 5 9 553	-0.0410	39.69	-25.448	-11.824	-0.0390914	-0.209119	-0.0019
72 8 5 857 8		46.84	-29.116	20.308	0.5435040	0.280237		72 8 5 9 6 3	-0.0633	39.73	-25.309	-12.411	-0.0723173	-0.223158	0.0090
72 8 5 85713	0.5735	46.69	-29.117	19.997	0.5644100	0.264214	0.0091	72 8 5 9 6 8		39.75	-25.238	-12.704	-0.0898086	-0.231013	
72 8 5 85723	0.6288	46.39	-29.117	19.374	0.6031808	0.241723	0.0256	72 8 5 9 613	-0.1103	39.77	-25.167	-12.996	-0.1078609	-0.238426	-0.0024
72 8 5 85733	0.6368	46.10	-29.115	18.751	0.6394616	0.232027	-0.0026	72 8 5 9 623	-0.1490	39.83	-25.023	-13.580	-0.1454476	-0.249054	-0.0036
72 8 5 85743	0.6696	45.82	-29.110	18.129	0.6752471	0.235117	-0.0057	72 8 5 9 633	-0.1855	39.89	-24.877	-14.162	-0.1842233	-0.254062	-0.0012
72 8 5 85753	0.7154	45.54	-29.102	17.506	0.7124928	0.251001	0.0029	72 8 5 9 643	-0.2264	39.96	-24.728	-14.743	-0.2233516	-0.253452	-0.0030
72 8 5 85758		45.40	-29.097	17.194	0.7323008	0.263755		72 8 5 9 648		39.99	-24.653	-15.033	-0.2427796	-0.251038	
72 8 5 858 3	0.7420	45.26	-29.091	16.883	0.7530540	0.275840	-0.0111	72 8 5 9 653	-0.2571	40.03	-24.577	-15.323	-0.2619351	-0.246500	0.0048
72 8 5 85813	0.7948	44.99	-29.077	16.260	0.7965692	0.286630	-0.0018	72 8 5 9 7 3	-0.2992	40.11	-24.425	-15.900	-0.2986514	-0.228883	-0.0005
72 8 5 85823	0.8390	44.73	-29.061	15.636	0.8403670	0.279511	-0.0014	72 8 5 9 713	-0.3278	40.20	-24.270	-16.477	-0.3317922	-0.199863	0.0040
72 8 5 85833	0.8857	44.48	-29.041	15.013	0.8816766	0.254496	0.0040	72 8 5 9 723	-0.3623	40.29	-24.112	-17.052	-0.3595895	-0.159446	-0.0027
72 8 5 85843	0.9223	44.23	-29.019	14.391	0.9177725	0.211565	0.0046	72 8 5 9 728		40.34	-24.033	-17.340	-0.3709475	-0.134935	
72 8 5 85848		44.11	-29.006	14.079	0.9330032	0.183372		72 8 5 9 733	-0.3811	40.40	-23.953	-17.626	-0.3803467	-0.110144	-0.0008
72 8 5 85853	0.9433	43.99	-28.993	13.768	0.9459378	0.152877	-0.0026	72 8 5 9 743	-0.3930	40.50	-23.792	-18.198	-0.3938622	-0.066916	0.0009
72 8 5 859 3	0.9724	43.75	-28.965	13.145	0.9647368	0.091382	0.0076	72 8 5 9 753	-0.4060	40.62	-23.628	-18.769	-0.4013865	-0.032290	-0.0046
72 8 5 85913	0.9638	43.52	-28.934	12.523	0.9740243	0.029191	-0.0102	72 8 5 9 8 3	-0.3990	40.74	-23.463	-19.338	-0.4042428	-0.006273	0.0052
72 8 5 85923	0.9726	43.30	-28.900	11.900	0.9736879	-0.033675	-0.0011	72 8 5 9 8 8		40.80	-23.379	-19.622	-0.4043348	0.003525	
72 8 5 85928		43.19	-28.882	11.589	0.9698727	-0.065396		72 8 5 9 813	-0.4062	40.87	-23.295	-19.905	-0.4037324	0.012109	-0.0024
72 8 5 85933	0.9632	43.08	-28.864	11.278	0.9636846	-0.095027	-0.0005	72 8 5 9 823	-0.4050	41.00	-23.126	-20.472	-0.4005883	0.028590	-0.0044
72 8 5 85943	0.9474	42.87	-28.824	10.657	0.9452391	-0.141877	0.0021	72 8 5 9 833	-0.3824	41.14	-22.954	-21.036	-0.3949825	0.044124	0.0126
72 8 5 85953	0.9284	42.67	-28.782	10.035	0.9208686	-0.172019	0.0076	72 8 5 9 843	-0.3919	41.29	-22.781	-21.599	-0.3870558	0.058721	-0.0048
72 8 5 9 0 3	0.8891	42.47	-28.737	9.414	0.8931550	-0.185453	-0.0041	72 8 5 9 848		41.36	-22.693	-21.880	-0.3822663	0.065670	
72 8 5 9 0 8		42.37	-28.713	9.104	0.8788232	-0.185906		72 8 5 9 853	-0.3850	41.44	-22.605	-22.161	-0.3769649	0.071989	-0.0081
72 8 5 9 013	0.8693	42.28	-28.689	8.794	0.8646080	-0.183770	0.0047	72 8 5 9 9 3	-0.3643	41.60	-22.428	-22.721	-0.3650980	0.081596	0.0008
72 8 5 9 023	0.8303	42.09	-28.638	8.174	0.8368331	-0.176479	-0.0065	72 8 5 9 913	-0.3371	41.77	-22.249	-23.279	-0.3520594	0.087159	0.0150
72 8 5 9 033	0.8049	41.91	-28.584	7.554	0.8104988	-0.165175	-0.0056	72 8 5 9 923	-0.3502	41.94	-22.068	-23.836	-0.3384759	0.088675	-0.0117
72 8 5 9 043	0.7924	41.74	-28.528	6.935	0.7862041	-0.149850	0.0062	72 8 5 9 928		42.03	-21.976	-24.115	-0.3316671	0.087914	
72 8 5 9 048		41.65	-28.498	6.626	0.7750146	-0.140676		72 8 5 9 933	-0.3286	42.12	-21.885	-24.392	-0.3249581	0.086820	-0.0036
72 8 5 9 053	0.7599	41.57	-28.468	6.316	0.7645385	-0.132024	-0.0045	72 8 5 9 943	-0.3087	42.31	-21.700	-24.946	-0.3117032	0.085647	0.0030
72 8 5 9 1 3	0.7467	41.41	-28.406	5.699	0.7451921	-0.120819	0.0015	72 8 5 9 953	-0.2970	42.50	-21.514	-25.498	-0.2985240	0.085836	0.0015
72 8 5 9 113	0.7235	41.26	-28.341	5.081	0.7269374	-0.117747	-0.0035	72 8 5 910 3	-0.2782	42.70	-21.325	-26.049	-0.2852158	0.087386	0.0070
72 8 5 9 123	0.7251	41.12	-28.274	4.465	0.7085292	-0.122813	0.0165	72 8 5 910 8		42.80	-21.231	-26.324	-0.2784361	0.088674	
72 8 5 9 128		41.04	-28.239	4.156	0.6988654	-0.128405		72 8 5 91013	-0.2766	42.90	-21.136	-26.598	-0.2715887	0.089152	-0.0050
72 8 5 9 133	0.6987	40.98	-28.203	3.849	0.6887611	-0.134515	0.0099	72 8 5 91023	-0.2607	43.12	-20.944	-27.146	-0.2581452	0.084232	-0.0026
72 8 5 9 143	0.6506	40.84	-28.130	3.234	0.6672892	-0.143853	-0.0167	72 8 5 91033	-0.2431	43.33	-20.750	-27.692	-0.2460662	0.071481	0.0029
72 8 5 9 153	0.6364	40.72	-28.054	2.619	0.6446783	-0.149317	-0.0083	72 8 5 91043	-0.2453	43.56	-20.555	-28.237	-0.2365486	0.050889	-0.0087
72 8 5 9 2 3	0.6045	40.60	-27.975	2.005	0.6215330	-0.150907	-0.0170	72 8 5 91053	-0.2232	43.79	-20.359	-28.780	-0.2308034	0.022460	0.0076
72 8 5 9 2 8		40.54	-27.935	1.699	0.6099261	-0.150249		72 8 5 91058		43.90	-20.260	-29.051	-0.2297220	0.005286	
72 8 5 9 213	0.5995	40.48	-27.894	1.393	0.5983464	-0.151987	0.0012	72 8 5 911 3	-0.2322	44.03	-20.160	-29.321	-0.2299755	-0.011422	-0.0022
72 8 5 9 223	0.6008	40.38	-27.810	0.781	0.5736501	-0.172774	0.0272	72 8 5 91113	-0.2305	44.27	-19.961	-29.861	-0.2338077	-0.036510	0.0034
72 8 5 9 233	0.5533	40.28	-27.723	0.170	0.5439902	-0.216625	0.0093	72 8 5 91123	-0.2382	44.52	-19.759	-30.400	-0.2406400	-0.050406	0.0024
72 8 5 9 243	0.5065	40.18	-27.634	-0.440	0.5057931	-0.283572	0.0007	72 8 5 91133	-0.2515	44.78	-19.556	-30.937	-0.2487466	-0.053110	-0.0028
72 8 5 9 248		40.14	-27.588	-0.745	0.4823772	-0.325719		72 8 5 91143	-0.2615	45.04	-19.352	-31.473	-0.2564114	-0.044624	-0.0051
72 8 5 9 253	0.4495	40.10	-27.542	-1.050	0.4557945	-0.362719	-0.0063	72 8 5 91148		45.17	-19.249	-31.740	-0.2595397	-0.036180	
72 8 5 9 3 3	0.3820	40.02	-27.447	-1.658	0.3971679	-0.388711	-0.0152	72 8 5 91153	-0.2604	45.31	-19.146	-32.007	-0.2619399	-0.026162	0.0015
72 8 5 9 313	0.3358	39.95	-27.350	-2.265	0.3394468	-0.350665	-0.0036	72 8 5 912 3	-0.2670	45.58	-18.938	-32.539	-0.2643581	-0.005030	-0.0026
72 8 5 9 323	0.2828	39.88	-27.250	-2.871	0.2925111	-0.248560	-0.0097	72 8 5 91213	-0.2578	45.86	-18.729	-33.070	-0.2634118	0.017570	0.0057
72 8 5 9 328		39.85	-27.199	-3.174	0.2761542	-0.173395		72 8 5 91223	-0.2598	46.15	-18.519	-33.600	-0.2588748	0.041629	-0.0009
72 8 5 9 333	0.2810	39.82	-27.147	-3.476	0.2658037	-0.098921	0.0151	72 8 5 91233	-0.2510	46.44	-18.307	-34.128	-0.2505263	0.067139	-0.0004
72 8 5 9 343	0.2621	39.77	-27.042	-4.080	0.2590101	-0.000696	0.0030	72 8 5 91238		46.59	-18.201	-34.392	-0.2448431	0.080460	
72 8 5 9 353	0.2799	39.72	-26.934	-4.684	0.2620988	0.029453	0.0178	72 8 5 91243	-0.2255	46.74	-18.094	-34.655	-0.2381784	0.092439	0.0127
72 8 5 9 4 3	0.2576	39.68	-26.824	-5.285	0.2645987	-0.008327	-0.0070	72 8 5 91253	-0.2310	47.04	-17.880	-35.180	-0.2226436	0.107427	-0.0084
72 8 5 9 4 8		39.66	-26.768	-5.586	0.2623531	-0.052809		72 8 5 913 3	-0.2116	47.36	-17.664	-35.704	-0.2057315	0.110419	-0.0059
72 8 5 9 413	0.2378	39.65	-26.711	-5.886	0.2563645	-0.101649	-0.0186	72 8 5 91313	-0.1986	47.67	-17.447	-36.226	-0.1892756	0.101416	-0.0093
72 8 5 9 423	0.2443	39.62	-26.596	-6.485	0.2346512	-0.175093	0.0096	72 8 5 91323	-0.1678	48.00	-17.229	-36.747	-0.1751286	0.080416	0.0073
72 8 5 9 433	0.1961	39.60	-26.478	-7.084	0.2041447	-0.216059	-0.0081	72 8 5 91328		48.16	-17.119	-37.007	-0.1694924	0.065399	
72 8 5 9 443	0.1729	39.59	-26.358	-7.680	0.1698184	-0.224579	0.0031	72 8 5 91333	-0.1597	48.32	-17.009	-37.266	-0.1650966	0.049118	0.0054
72 8 5 9 448		39.58	-26.297	-7.979	0.1527821	-0.216659		72 8 5 91343	-0.1627	48.66	-16.789	-37.784	-0.1599786	0.017642	-0.0027
72 8 5 9 453	0.1447	39.58	-26.235	-8.277	0.1365504	-0.205667	0.0082	72 8 5 91353	-0.1646	49.00	-16.566	-38.301	-0.1595873	-0.012303	-0.0050
72 8 5 9 5 3	0.0982	39.58	-26.110	-8.871	0.1062465	-0.189565	-0.0080	72 8 5 914 3	-0.1566	49.35	-16.343	-38.816	-0.1636849	-0.040707	0.0071
72 8 5 9 513	0.0869	39.59	-25.982	-9.464	0.0778064	-0.181306	0.0091	72 8 5 91413	-0.1586	49.70	-16.119	-39.330	-0.1720388	-0.067592	0.0134
72 8 5 9 523	0.0450	39.60	-25.852	-10.056	0.0500332	-0.180898	-0.0051	72 8 5 91418		49.87	-16.006	-39.587	-0.1777403	0.080465	
72 8 5 9 528		39.61	-25.786	-10.352	0.0360037	-0.183641		72 8 5 91423	-0.1954	50.05	-15.894</				

72 8 5 91453	-0.2405	51.16	-15.211	-41.372	-0.2298449	-0.084924	-0.0167	72 8 5 92458	-0.0609	82.69	-0.241	-70.249	-0.0590411	-0.029170	-0.0019
72 8 5 915 3	-0.2428	51.54	-14.981	-41.879	-0.2408046	-0.055251	-0.0020	72 8 5 92513	-0.0613	83.64	0.140	-70.934	-0.0652751	-0.022715	0.0040
72 8 5 915 8		51.73	-14.866	-42.133	-0.2443120	-0.035225		72 8 5 92523	-0.0711	84.28	0.393	-71.390	-0.0679690	-0.011379	-0.0031
72 8 5 91513	-0.2394	51.93	-14.750	-42.385	-0.2461991	-0.014050	0.0068	72 8 5 92533	-0.0716	84.93	0.646	-71.846	-0.0684875	0.005575	-0.0032
72 8 5 91523	-0.2215	52.32	-14.518	-42.890	-0.2452881	0.025184	0.0238	72 8 5 92548	-0.0861	85.90	1.025	-72.530	-0.0632908	0.041558	-0.0228
72 8 5 91533	-0.2487	52.72	-14.286	-43.393	-0.2386667	0.060186	-0.0100	72 8 5 92553		86.22	1.151	-72.757	-0.0595272	0.056383	
72 8 5 91543	-0.2459	53.12	-14.052	-43.895	-0.2269793	0.090982	-0.0189	72 8 5 92558	-0.0573	86.55	1.277	-72.985	-0.0546246	0.070815	-0.0026
72 8 5 91553	-0.1960	53.53	-13.818	-44.396	-0.2108767	0.117558	0.0149	72 8 5 926 8	-0.0207	87.20	1.530	-73.440	-0.0418842	0.093317	0.0211
72 8 5 91558		53.73	-13.700	-44.646	-0.2013619	0.129275		72 8 5 92618	-0.0061	87.85	1.782	-73.895	-0.0263428	0.107288	0.0202
72 8 5 916 3	-0.1910	53.94	-13.582	-44.896	-0.1910150	0.139964	0.0000	72 8 5 92628	-0.0108	88.51	2.033	-74.349	-0.0093011	0.112737	-0.0015
72 8 5 91613	-0.1737	54.36	-13.346	-45.394	-0.1679931	0.158567	-0.0057	72 8 5 92638	-0.0003	89.17	2.285	-74.804	0.0079230	0.109658	-0.0082
72 8 5 91623	-0.1450	54.78	-13.109	-45.891	-0.1423968	0.173416	-0.0026	72 8 5 92648	0.0318	89.83	2.536	-75.258	0.0240114	0.098057	0.0078
72 8 5 91633	-0.1031	55.21	-12.871	-46.387	-0.1148143	0.184506	0.0118	72 8 5 92653		90.16	2.661	-75.485	0.0312325	0.089046	
72 8 5 91643	-0.0978	55.64	-12.632	-46.882	-0.0858029	0.191851	-0.0119	72 8 5 92658	0.0382	90.50	2.786	-75.712	0.0377015	0.079396	0.0005
72 8 5 91653	-0.0476	56.08	-12.392	-47.376	-0.0559503	0.195440	0.0084	72 8 5 927 8	0.0331	91.16	3.037	-76.166	0.0485813	0.062525	-0.0155
72 8 5 91658		56.30	-12.272	-47.622	-0.0408725	0.195827		72 8 5 92718	0.0505	91.83	3.286	-76.620	0.0571130	0.048925	-0.0067
72 8 5 917 3	-0.0347	56.53	-12.152	-47.868	-0.0258328	0.195759	-0.0089	72 8 5 92728	0.0641	92.50	3.536	-77.073	0.0638056	0.038506	0.0003
72 8 5 91713	0.0102	56.98	-11.911	-48.359	0.0042919	0.195714	0.0059	72 8 5 92738	0.0708	93.17	3.785	-77.527	0.0691584	0.031514	0.0017
72 8 5 91723	0.0344	57.43	-11.669	-48.850	0.0344190	0.195791	-0.0001	72 8 5 92748	0.0671	93.85	4.034	-77.980	0.0736725	0.027710	-0.0066
72 8 5 91733	0.0598	57.89	-11.426	-49.339	0.0645564	0.195990	-0.0048	72 8 5 92753		94.18	4.158	-78.207	0.0757759	0.027032	
72 8 5 91743	0.1048	58.36	-11.183	-49.827	0.0947448	0.196311	0.0101	72 8 5 92758	0.0944	94.52	4.282	-78.434	0.0778399	0.026621	0.0165
72 8 5 91753	0.1176	58.83	-10.939	-50.314	0.1249921	0.196754	-0.0074	72 8 5 928 8	0.0842	95.20	4.530	-78.887	0.0818225	0.024940	0.0024
72 8 5 91758		59.06	-10.817	-50.557	0.1401603	0.197022		72 8 5 92818	0.0812	95.88	4.777	-79.341	0.0854571	0.022116	-0.0043
72 8 5 918 3	0.1675	59.30	-10.695	-50.800	0.1552900	0.196699	0.0122	72 8 5 92828	0.0940	96.56	5.024	-79.794	0.0885702	0.018147	0.0054
72 8 5 91813	0.1621	59.78	-10.450	-51.285	0.1852964	0.192407	-0.0232	72 8 5 92833	0.0808	97.24	5.271	-80.248	0.0909843	0.013033	-0.0102
72 8 5 91823	0.2332	60.26	-10.204	-51.769	0.2142682	0.183254	0.0189	72 8 5 92848	0.0962	97.92	5.517	-80.701	0.0925230	0.006778	0.0036
72 8 5 91833	0.2472	60.75	-9.957	-52.251	0.2414475	0.169245	0.0058	72 8 5 92853		98.26	5.640	-80.928	0.0929098	0.003216	
72 8 5 91843	0.2442	61.25	-9.711	-52.733	0.2661062	0.150371	-0.0219	72 8 5 92858	0.0950	98.61	5.762	-81.154	0.0930209	-0.000248	0.0020
72 8 5 91853	0.2933	61.74	-9.463	-53.214	0.2874858	0.126635	0.0058	72 8 5 929 8	0.0911	99.29	6.007	-81.608	0.0925325	-0.005788	-0.0015
72 8 5 91858		61.99	-9.339	-53.455	0.2967217	0.112928		72 8 5 92918	0.0899	99.98	6.251	-82.062	0.0913352	-0.009464	-0.0014
72 8 5 919 3	0.3022	62.25	-9.215	-53.694	0.3048544	0.098904	-0.0026	72 8 5 92928	0.0902	100.67	6.495	-82.515	0.0897151	-0.011278	0.0005
72 8 5 91913	0.3192	62.75	-8.967	-54.173	0.3180043	0.072305	0.0011	72 8 5 92938	0.0848	101.36	6.738	-82.969	0.0879591	-0.011229	-0.0032
72 8 5 91923	0.3408	63.27	-8.718	-54.651	0.3272145	0.047710	0.0136	72 8 5 92948	0.0941	102.05	6.980	-83.423	0.0863545	-0.009318	0.0078
72 8 5 91933	0.3223	63.78	-8.469	-55.128	0.3327921	0.025127	-0.0105	72 8 5 92953		102.39	7.102	-83.650	0.0856974	-0.007662	
72 8 5 91943	0.3439	64.30	-8.219	-55.604	0.3350492	0.004538	0.0089	72 8 5 92958	0.0681	102.75	7.222	-83.877	0.0851811	-0.005771	-0.0171
72 8 5 91953	0.3183	64.83	-7.969	-56.080	0.3342917	-0.014047	-0.0160	72 8 5 930 8	0.0965	103.44	7.464	-84.331	0.0845862	-0.001953	0.0119
72 8 5 91958		65.09	-7.843	-56.318	0.3328769	-0.022598		72 8 5 93018	0.0901	104.13	7.704	-84.786	0.0845818	0.001904	0.0055
72 8 5 920 3	0.3474	65.56	-7.718	-56.555	0.3308071	-0.031504	0.0166	72 8 5 93028	0.0913	104.83	7.944	-85.240	0.0851745	0.005804	0.0061
72 8 5 92013	0.3313	65.89	-7.467	-57.028	0.3243580	-0.053142	0.0069	72 8 5 93038	0.0743	105.53	8.184	-85.695	0.0863707	0.009746	-0.0120
72 8 5 92023	0.3139	66.43	-7.216	-57.501	0.3141890	-0.079842	-0.0073	72 8 5 93053	0.0854	106.57	8.541	-86.377	0.0893100	0.015736	-0.0039
72 8 5 92033	0.2840	66.97	-6.964	-57.973	0.2995272	-0.111592	0.0156	72 8 5 93058		106.92	8.660	-86.605	0.0906000	0.017756	
72 8 5 92043	0.2654	67.52	-6.713	-58.444	0.2795829	-0.148415	-0.0142	72 8 5 931 3	0.0990	107.27	8.779	-86.832	0.0920446	0.019898	0.0070
72 8 5 92053	0.2620	68.07	-6.460	-58.915	0.2535816	-0.190300	0.0084	72 8 5 93113	0.0853	107.97	9.016	-87.288	0.0954819	0.024933	-0.0101
72 8 5 921 3		68.62	-6.208	-59.385	0.2207442	-0.237247		72 8 5 93123	0.1080	108.67	9.252	-87.744	0.0997703	0.030958	0.0082
72 8 5 92113	0.1953	69.18	-5.955	-59.854	0.1808757	-0.278160	0.0144	72 8 5 93133	0.1033	109.37	9.487	-88.199	0.1050600	0.037970	-0.0018
72 8 5 92123	0.1223	69.74	-5.702	-60.322	0.1360105	-0.301985	-0.0137	72 8 5 93143	0.1179	110.07	9.722	-88.656	0.1115074	0.045975	0.0063
72 8 5 92133	0.0842	70.31	-5.449	-60.790	0.0888122	-0.308705	-0.0047	72 8 5 93153	0.1248	110.78	9.956	-89.112	0.1192629	0.054969	0.0055
72 8 5 92143	0.0508	70.88	-5.196	-61.257	0.0418782	-0.298324	0.0089	72 8 5 93158		111.12	10.073	-89.341	0.1236840	0.059844	
72 8 5 92153	-0.0008	71.45	-4.942	-61.723	-0.0021415	-0.270836	0.0013	72 8 5 932 3	0.1125	111.48	10.189	-89.569	0.1284623	0.064439	-0.0160
72 8 5 922 3	-0.0221	72.03	-4.688	-62.189	-0.0406014	-0.226261	0.0185	72 8 5 93213	0.1487	112.18	10.421	-90.026	0.1389488	0.071308	0.0098
72 8 5 92213		72.61	-4.434	-62.654	-0.0709160	-0.164516		72 8 5 93223	0.1449	112.88	10.652	-90.484	0.1502525	0.075057	-0.0054
72 8 5 92223	-0.0913	73.20	-4.180	-63.118	-0.0910980	-0.099739	-0.0002	72 8 5 93233	0.1588	113.59	10.883	-90.942	0.1618889	0.075687	-0.0031
72 8 5 92233	-0.1137	73.79	-3.926	-63.582	-0.1021553	-0.045808	-0.0115	72 8 5 93243	0.1830	114.29	11.113	-91.400	0.1733866	0.073199	0.0096
72 8 5 92243	-0.1068	74.38	-3.672	-64.045	-0.1057514	-0.002735	-0.0011	72 8 5 93253	0.1717	114.99	11.341	-91.858	0.1842613	0.067591	-0.0126
72 8 5 92253	-0.1174	74.97	-3.418	-64.507	-0.1035552	0.029460	-0.0138	72 8 5 93258		115.34	11.456	-92.088	0.1893204	0.063613	
72 8 5 923 3	-0.1082	75.57	-3.163	-64.969	-0.0972440	0.050769	-0.0110	72 8 5 933 3	0.1991	115.70	11.569	-92.317	0.1940383	0.059211	0.0050
72 8 5 92318	-0.0688	76.48	-2.782	-65.662	-0.0837172	0.062349	0.0150	72 8 5 93313	0.2066	116.40	11.796	-92.776	0.2024568	0.050122	0.0041
72 8 5 92325		76.93	-2.591	-66.007	-0.0766541	0.058959		72 8 5 93323	0.2114	117.11	12.023	-93.236	0.2094486	0.040672	0.0020
72 8 5 92333	-0.0648	77.39	-2.400	-66.353	-0.0702303	0.052354	0.0055	72 8 5 93333	0.2157	117.81	12.248	-93.697	0.2149564	0.030865	0.0007
72 8 5 92343	-0.0741	78.00	-2.146	-66.812	-0.0628816	0.043045	-0.0112	72 8 5 93343	0.2175	118.51	12.472	-94.157	0.2189289	0.020695	-0.0014
72 8 5 92353	-0.0358	78.61	-1.892	-67.272	-0.0570091	0.033169	0.0213	72 8 5 93353	0.2134	119.22	12.696	-94.618	0.2213082	0.010163	-0.0079
72 8 5 924 3	-0.0589	79.23	-1.637	-67.731	-0.0527017	0.022729	-0.0061	72 8 5 93358		119.56	12.807	-94.849	0.2218835	0.004756	
72 8 5 92418	-0.0480	80.17	-1.256	-68.419	-0.0493609	0.006703	0.0014	72 8 5 934 3	0.2199	119.92	12.918	-95.080	0.2220514	-0.000235	-0.0022
72 8 5 92428	-0.0483	80.79	-1.002	-68.877											

72 8 5 93443	0.2049	122.73	13.798	-96.930	0.2165632	-0.008063	-0.0117
72 8 5 93453	0.2177	123.43	14.015	-97.395	0.2158135	-0.001083	0.0018
72 8 5 93458		123.78	14.124	-97.627	0.2159106	0.003754	
72 8 5 935 3	0.2205	124.13	14.232	-97.859	0.2164016	0.009031	0.0041
72 8 5 93513	0.2241	124.83	14.447	-98.324	0.2186078	0.019647	0.0054
72 8 5 93523	0.2194	125.53	14.661	-98.790	0.2224524	0.030321	-0.0030
72 8 5 93533	0.2247	126.23	14.874	-99.256	0.2279420	0.041049	-0.0032
72 8 5 93543	0.2361	126.93	15.086	-99.722	0.2350895	0.051838	0.0011
72 8 5 93553	0.2484	127.63	15.298	-100.190	0.2439020	0.062685	0.0045
72 8 5 93558		127.97	15.403	-100.424	0.2489413	0.068137	
72 8 5 936 3	0.2527	128.33	15.507	-100.658	0.2543936	0.073943	-0.0017
72 8 5 93613	0.2625	129.02	15.716	-101.126	0.2668008	0.087769	-0.0043
72 8 5 93623	0.2805	129.72	15.924	-101.595	0.2815609	0.104517	-0.0011
72 8 5 93633	0.3050	130.41	16.130	-102.065	0.2991166	0.124180	0.0059
72 8 5 93643	0.3176	131.10	16.335	-102.535	0.3199305	0.146772	-0.0023
72 8 5 93653	0.3444	131.80	16.539	-103.006	0.3444466	0.172288	0.0000

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72 8 6141518	-0.4318	181.21	11.267	116.062	-0.4437723	0.499521	0.0120
72 8 6141533	-0.3702	180.52	10.947	115.420	-0.3360853	0.434318	-0.0341
72 8 6141543	-0.2686	180.06	10.733	114.993	-0.2721840	0.396157	0.0036
72 8 6141553	-0.1931	179.60	10.519	114.567	-0.2139617	0.351023	0.0209
72 8 61416 3	-0.1512	179.13	10.304	114.140	-0.1608877	0.329489	0.0097
72 8 6141613	-0.1145	178.66	10.088	113.714	-0.1123742	0.301510	-0.0021
72 8 6141618		178.42	9.980	113.502	-0.0896555	0.280854	
72 8 6141623	-0.0655	178.18	9.872	113.289	-0.0678997	0.277165	0.0023
72 8 6141633	-0.0309	177.70	9.655	112.864	-0.0268620	0.256856	-0.0040
72 8 6141643	-0.0037	177.21	9.437	112.439	-0.0137702	0.244632	-0.0151
72 8 6141653	0.0448	176.72	9.219	112.014	0.0474206	0.228503	-0.0027
72 8 61417 3	0.0809	176.23	9.000	111.590	0.0819068	0.220471	-0.0010
72 8 6141713	0.1208	175.73	8.780	111.166	0.1154842	0.216530	0.0053
72 8 6141718		175.48	8.670	110.954	0.1321303	0.216495	
72 8 6141723	0.1534	175.23	8.560	110.743	0.1487476	0.215806	0.0046
72 8 6141733	0.1875	174.72	8.339	110.319	0.1817752	0.213838	0.0057
72 8 6141743	0.2095	174.21	8.118	109.896	0.2141637	0.207745	-0.0047
72 8 6141753	0.2526	173.70	7.896	109.473	0.2454509	0.194477	0.0071
72 8 61418 3	0.2645	173.18	7.674	109.050	0.2751761	0.181289	-0.0107
72 8 6141813	0.3067	172.66	7.451	108.627	0.3029112	0.172724	0.0038
72 8 6141818		172.39	7.339	108.416	0.3158922	0.164391	
72 8 6141823	0.3264	172.13	7.228	108.206	0.3282063	0.155767	-0.0019
72 8 6141833	0.3572	171.60	7.004	107.783	0.3580827	0.139104	0.0063
72 8 6141853	0.3809	170.53	6.557	106.940	0.3888171	0.107832	-0.0080
72 8 61419 3	0.4068	169.98	6.329	106.518	0.4042774	0.093255	0.0025

72 8 6141913	0.4105	169.44	6.103	106.096	0.4175532	0.079374	-0.0071
72 8 6141923	0.4336	168.89	5.877	105.675	0.4287466	0.066195	0.0048
72 8 6141928		168.61	5.764	105.464	0.4336012	0.059862	
72 8 6141933	0.4438	168.33	5.650	105.254	0.4379658	0.053850	0.0058
72 8 6141943	0.4354	167.78	5.423	104.832	0.4454047	0.043101	-0.0101
72 8 6141953	0.4662	167.22	5.196	104.411	0.4513221	0.034080	0.0148
72 8 61420 3	0.4515	166.65	4.968	103.990	0.4559826	0.026791	-0.0045
72 8 6142013	0.4599	166.08	4.739	103.569	0.4596556	0.021226	0.0002
72 8 6142023	0.4558	165.51	4.511	103.148	0.4626053	0.017391	-0.0069
72 8 6142028		165.22	4.396	102.937	0.4638934	0.016120	
72 8 6142033	0.4610	164.94	4.281	102.727	0.4650952	0.015221	-0.0041
72 8 6142043	0.4740	164.36	4.052	102.306	0.4673540	0.014333	0.0066
72 8 6142053	0.4790	163.78	3.822	101.885	0.4695699	0.014664	0.0094
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72 8 6142113	0.4803	162.60	3.361	101.043	0.4746224	0.018981	0.0056
72 8 6142123	0.4734	162.01	3.130	100.622	0.4778351	0.022969	-0.0045
72 8 6142128		161.71	3.015	100.411	0.4796971	0.025422	
72 8 6142133	0.4882	161.42	2.899	100.200	0.4817371	0.027526	0.0064
72 8 6142143	0.4690	160.82	2.667	99.779	0.4861196	0.028760	-0.0171
72 8 6142153	0.5077	160.22	2.436	99.358	0.4903863	0.026020	0.0173
72 8 61422 3	0.4927	159.61	2.204	98.936	0.4939241	0.019306	-0.0012
72 8 6142213	0.4923	159.00	1.971	98.514	0.4961238	0.008616	-0.0038
72 8 6142223	0.5036	158.39	1.739	98.093	0.4963722	-0.006051	0.0072
72 8 6142228		158.09	1.622	97.881	0.4955722	-0.014885	
72 8 6142233	0.4819	157.78	1.506	97.670	0.4940641	-0.024474	-0.0122
72 8 6142243	0.4953	157.16	1.273	97.248	0.4887162	-0.045399	0.0066
72 8 6142253	0.4749	156.54	1.040	96.826	0.4799721	-0.068606	-0.0051
72 8 61423 3	0.4705	155.92	0.806	96.403	0.4674857	-0.094087	0.0030
72 8 6142313	0.4540	155.30	0.572	95.980	0.4508566	-0.121859	0.0031
72 8 6142323	0.4296	154.67	0.339	95.557	0.4298573	-0.151914	-0.0003
72 8 6142328		154.35	0.221	95.345	0.4175449	-0.167815	
72 8 6142333	0.4024	154.04	0.105	95.134	0.4040427	-0.183627	-0.0016
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72 8 6142353	0.3444	152.77	-0.364	94.286	0.3385885	-0.248406	0.0059
72 8 61424 3	0.2949	152.13	-0.599	93.862	0.2996075	-0.264835	-0.0027
72 8 6142413	0.2535	151.49	-0.833	93.437	0.2571345	-0.286639	-0.0037
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72 8 6142428		150.52	-1.185	92.800	0.1876128	-0.314414	
72 8 6142433	0.1621	150.20	-1.303	92.587	0.1631602	-0.322040	-0.0011
72 8 6142443	0.1199	149.55	-1.538	92.161	0.1126434	-0.333559	-0.0073
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72 8 61425 3	0.0132	148.24	-2.008	91.309	0.0082412	-0.341543	0.0058
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72 8 6142528		146.60	-2.596	90.241	-0.1207908	-0.323207	
72 8 6142533	-0.1525	146.27	-2.713	90.027	-0.1452620	-0.316841	-0.0072
72 8 6142543	-0.1883	145.60	-2.949	89.599	-0.1926160	-0.298851	0.0044
72 8 6142553	-0.2452	144.94	-3.184	89.171	-0.2370016	-0.277478	-0.0082
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72 8 6142613	-0.3034	143.60	-3.654	88.311	-0.3145101	-0.223671	-0.0112
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72 8 6142628		142.60	-4.007	87.666	-0.3695155	-0.173285	
72 8 6142633	-0.3805	142.26	-4.124	87.451	-0.3731985	-0.155490	-0.0074
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72 8 61427 3	-0.4323	140.23	-4.823	86.155	-0.4228422	-0.064304	-0.0098
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72 8 6142723	-0.4300	138.87	-5.298	85.288	-0.4353253	-0.018747	-0.0027
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72 8 6142733	-0.4394	138.18	-5.533	84.854	-0.4367854	-0.000511	0.0063
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72 8 6142813	-0.4266	135.43	-6.470	83.109	-0.4218987	0.040174	-0.0087
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72 8 6142843	-0.3966	133.35	-7.170	81.794	-0.4028695	0.038841	0.0063	72 8 6143813	-0.0577	93.35	-19.563	54.985	-0.0638164	-0.076422	0.0061
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72 8 6142923	-0.3712	130.57	-8.100	80.029	-0.3849973	0.015705	0.0138	72 8 6143843	-0.1153	91.32	-20.133	53.452	-0.0966908	-0.065811	-0.0186
72 8 6142928		130.22	-8.216	79.807	-0.3839540	0.011323		72 8 6143853	-0.1037	90.64	-20.320	52.938	-0.1062471	-0.057779	0.0025
72 8 6142933	-0.3853	129.87	-8.332	79.585	-0.3832501	0.007113	-0.0020	72 8 61439 3	-0.1242	89.97	-20.506	52.421	-0.1142932	-0.046227	-0.0099
72 8 6142943	-0.3969	129.16	-8.564	79.141	-0.3826881	0.000623	-0.0142	72 8 6143913	-0.1050	89.30	-20.691	51.903	-0.1202927	-0.031146	0.0153
72 8 6142953	-0.3813	128.46	-8.795	78.696	-0.3829252	-0.003270	0.0016	72 8 6143923	-0.1212	88.64	-20.874	51.385	-0.1236998	-0.012540	0.0024
72 8 61430 3	-0.3839	127.76	-9.026	78.250	-0.3835613	-0.004566	-0.0003	72 8 6143928		88.31	-20.965	51.124	-0.1242619	-0.001903	
72 8 6143013	-0.3747	127.06	-9.256	77.803	-0.3841971	-0.003265	0.0094	72 8 6143933	-0.1177	87.97	-21.055	50.863	-0.1239953	0.008693	0.0063
72 8 6143023	-0.3862	126.35	-9.486	77.356	-0.3844329	0.000633	-0.0017	72 8 6143943	-0.1205	87.31	-21.236	50.341	-0.1211853	0.027219	0.0007
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72 8 6143053	-0.3853	124.24	-10.174	76.007	-0.3783263	0.031163	-0.0070	72 8 6144023	-0.0772	84.69	-21.942	48.234	-0.0897696	0.065222	0.0126
72 8 61431 3	-0.3735	123.53	-10.403	75.555	-0.3722391	0.048571	-0.0012	72 8 6144028		84.36	-22.029	47.969	-0.0847125	0.065912	
72 8 6143113	-0.3634	122.82	-10.631	75.102	-0.3631901	0.069624	-0.0003	72 8 6144033	-0.0928	84.04	-22.115	47.703	-0.0796473	0.065877	-0.0132
72 8 6143123	-0.3516	122.11	-10.858	74.649	-0.3506205	0.094317	-0.0010	72 8 6144043	-0.0646	83.39	-22.286	47.170	-0.0696112	0.064172	0.0050
72 8 6143128		121.76	-10.972	74.421	-0.3428314	0.108044		72 8 6144053	-0.0465	82.75	-22.455	46.637	-0.0600057	0.060283	0.0135
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72 8 6143143	-0.3120	120.70	-11.312	73.738	-0.3134633	0.144527	0.0015	72 8 6144113	-0.0401	81.47	-22.789	45.563	-0.0434328	0.045960	0.0033
72 8 6143153	-0.2860	119.99	-11.538	73.281	-0.2897904	0.162199	0.0038	72 8 6144123	-0.0284	80.83	-22.954	45.024	-0.0371342	0.035523	0.0088
72 8 61432 3	-0.2719	119.28	-11.764	72.823	-0.2638181	0.174532	-0.0081	72 8 6144128		80.52	-23.035	44.753	-0.0346267	0.029479	
72 8 6143213	-0.2393	118.57	-11.989	72.364	-0.2363480	0.181536	-0.0029	72 8 6144133	-0.0381	80.20	-23.117	44.483	-0.0326036	0.023205	-0.0055
72 8 6143223	-0.1938	117.86	-12.213	71.904	-0.2082104	0.183206	0.0144	72 8 6144143	-0.0351	79.57	-23.278	43.940	-0.0299902	0.010787	-0.0051
72 8 6143228		117.50	-12.325	71.673	-0.1941325	0.182039		72 8 6144153	-0.0334	78.94	-23.437	43.396	-0.0292727	-0.001430	-0.0042
72 8 6143233	-0.1887	117.15	-12.437	71.443	-0.1802178	0.180275	-0.0084	72 8 61442 3	-0.0424	78.32	-23.594	42.850	-0.0304192	-0.013439	-0.0120
72 8 6143243	-0.1526	116.44	-12.660	70.980	-0.1527192	0.177142	0.0001	72 8 6144213	-0.0272	77.70	-23.750	42.302	-0.0333992	-0.025251	0.0062
72 8 6143253	-0.1274	115.73	-12.882	70.517	-0.1256616	0.174545	-0.0017	72 8 6144223	-0.0421	77.08	-23.904	41.754	-0.0381816	-0.036860	-0.0039
72 8 61433 3	-0.0973	115.02	-13.104	70.052	-0.0989722	0.172484	0.0017	72 8 6144228		76.77	-23.981	41.478	-0.0412425	-0.042595	
72 8 6143313	-0.0799	114.31	-13.326	69.586	-0.0725491	0.170958	-0.0074	72 8 6144233	-0.0412	76.47	-24.056	41.202	-0.0447282	-0.048095	0.0035
72 8 6143323	-0.0355	113.60	-13.546	69.120	-0.0463197	0.169967	0.0108	72 8 6144243	-0.0444	75.85	-24.207	40.649	-0.0529093	-0.057956	0.0085
72 8 6143328		113.25	-13.656	68.885	-0.0332375	0.169672		72 8 6144253	-0.0584	75.25	-24.355	40.096	-0.0624890	-0.066269	0.0041
72 8 6143333	-0.0226	112.89	-13.766	68.651	-0.0202160	0.169323	-0.0024	72 8 61443 3	-0.0804	74.64	-24.501	39.539	-0.0732251	-0.073033	-0.0071
72 8 6143343	0.0012	112.18	-13.985	68.181	0.0057473	0.167891	-0.0045	72 8 6144313	-0.0772	74.04	-24.646	38.982	-0.0848873	-0.078252	0.0077
72 8 6143353	0.0414	111.47	-14.203	67.711	0.0314149	0.165481	0.0100	72 8 6144323	-0.1020	73.44	-24.788	38.423	-0.0972337	-0.081924	-0.0048
72 8 61434 3	0.0431	110.76	-14.421	67.239	0.0566272	0.162095	-0.0136	72 8 6144328		73.15	-24.859	38.142	-0.1035961	-0.083181	
72 8 6143413	0.0847	110.06	-14.638	66.765	0.0812523	0.157730	0.0034	72 8 6144333	-0.1068	72.85	-24.929	37.862	-0.1100194	-0.083969	0.0032
72 8 6143423	0.1022	109.35	-14.854	66.291	0.1051303	0.152388	-0.0030	72 8 6144343	-0.1277	72.26	-25.068	37.299	-0.1229670	-0.083914	-0.0047
72 8 6143428		109.00	-14.962	66.053	0.1167548	0.149346		72 8 6144353	-0.1351	71.67	-25.204	36.735	-0.1357382	-0.081677	0.0006
72 8 6143433	0.1462	108.64	-15.070	65.815	0.1280905	0.145598	0.0181	72 8 61444 3	-0.1446	71.09	-25.338	36.169	-0.1479928	-0.077260	0.0034
72 8 6143443	0.1459	107.94	-15.284	65.337	0.1497078	0.134513	-0.0038	72 8 6144413	-0.1693	70.51	-25.471	35.602	-0.1594043	-0.070661	-0.0099
72 8 6143453	0.1687	107.23	-15.498	64.859	0.1692522	0.118660	-0.0006	72 8 6144423	-0.1725	69.94	-25.601	35.033	-0.1696322	-0.061881	-0.0028
72 8 61435 3	0.1762	106.53	-15.710	64.379	0.1859841	0.098047	-0.0098	72 8 6144428		69.65	-25.666	34.748	-0.1742022	-0.056667	
72 8 6143513	0.1887	105.82	-15.922	63.897	0.1991822	0.072660	-0.0105	72 8 6144433	-0.1825	69.36	-25.729	34.462	-0.1783452	-0.051208	-0.0042
72 8 6143523	0.2128	105.12	-16.133	63.415	0.2081059	0.042504	0.0046	72 8 6144443	-0.1717	68.80	-25.856	33.890	-0.1853898	-0.040349	0.0136
72 8 6143528		104.77	-16.239	63.173	0.2107377	0.025619		72 8 6144453	-0.1981	68.23	-25.979	33.317	-0.1907710	-0.029594	-0.0074
72 8 6143533	0.2197	104.42	-16.343	62.931	0.2120442	0.008501	0.0076	72 8 61445 3	-0.1855	67.67	-26.101	32.741	-0.1945039	-0.018947	0.0091
72 8 6143543	0.2081	103.71	-16.553	62.445	0.2108258	-0.023914	-0.0027	72 8 6144513	-0.1951	67.12	-26.221	32.164	-0.1966071	-0.008400	0.0016
72 8 6143553	0.2092	103.01	-16.761	61.958	0.2048119	-0.053815	0.0044	72 8 6144523	-0.1938	66.57	-26.338	31.586	-0.1970950	0.002043	0.0033
72 8 61436 3	0.1974	102.31	-16.968	61.470	0.1943937	-0.081194	0.0030	72 8 6144528		66.29	-26.396	31.296	-0.1967376	0.007231	
72 8 6143613	0.1840	101.62	-17.174	60.980	0.1799505	-0.106069	0.0040	72 8 6144533	-0.1914	66.02	-26.453	31.006	-0.1959668	0.013063	0.0045
72 8 6143623	0.1500	100.92	-17.379	60.489	0.1618721	-0.128430	-0.0119	72 8 6144543	-0.1935	65.48	-26.566	30.424	-0.1928147	0.028795	-0.0007
72 8 6143628		100.57	-17.482	60.242	0.1515789	-0.138679		72 8 6144553	-0.1953	64.94	-26.676	29.842	-0.1868260	0.049925	-0.0084
72 8 6143633	0.1532	100.22	-17.583	59.996	0.1495674	-0.147743	0.0126	72 8 61446 3	-0.1805	64.40	-26.785	29.258	-0.1771740	0.076442	-0.0033
72 8 6143643	0.1050	99.53	-17.787	59.501	0.1167332	-0.160842	-0.0118	72 8 6144613	-0.1800	63.87	-26.891	28.672	-0.1630211	0.108366	-0.0170
72 8 6143653	0.0972	98.84	-17.988	59.006	0.0914026	-0.167188	0.0058	72 8 6144623	-0.1430	63.35	-26.994	28.085	-0.1435393	0.145688	0.0006
72 8 61437 3	0.0600	98.14	-18.189	58.509	0.0656246	-0.166781	-0.0057	72 8 6144628		63.09	-27.045	27.790	-0.1315264	0.166397	
72 8 6143713	0.0336	97.45	-18.389	58.010	0.0404193	-0.159622	-0.0068	72 8 6144633	-0.1143	62.83	-27.095	27.496	-0.1179352	0.187343	0.0036
72 8 6143723	0.0290	96.77	-18.588	57.510	0.0168356	-0.145709	0.0121	72 8 6144643	-0.0768	62.31	-27.194	26.906	-0.0860064	0.227050	0.0093
72 8 6143728		96.42	-18.687	57.259	0.0059652	-0.136208		72 8 6144653	-0.0454	61.80	-27.290	26.315	-0.04		

72 8 6144728		60.04	-27.608	24.235	0.1237313	0.368385		72 8 6145633	-0.1258	41.29	-28.298	-9.317	-0.1270600	-0.543257	0.0013
72 8 6144733	0.1586	59.80	-27.651	23.936	0.1524771	0.379746	0.0061	72 8 6145643	-0.1991	41.11	-28.233	-9.934	-0.2088120	-0.523405	0.0098
72 8 6144743	0.2007	59.31	-27.735	23.338	0.2123432	0.396942	-0.0116	72 8 6145653	-0.2882	40.94	-28.165	-10.549	-0.2895134	-0.529604	0.0013
72 8 6144753	0.2670	58.82	-27.817	22.740	0.2742845	0.406712	-0.0073	72 8 61457 3	-0.3705	40.78	-28.094	-11.165	-0.3731422	-0.561839	0.0026
72 8 61448 3	0.3188	58.34	-27.896	22.139	0.3371350	0.409057	-0.0184	72 8 61457 8		40.70	-28.058	-11.473	-0.4174495	-0.587804	
72 8 6144813	0.3984	57.87	-27.972	21.537	0.3997984	0.403979	-0.0014	72 8 6145713	-0.4715	40.62	-28.021	-11.780	-0.4636401	-0.615134	-0.0078
72 8 6144823	0.4542	57.40	-28.046	20.935	0.4611087	0.391475	-0.0069	72 8 6145723	-0.5599	40.48	-27.944	-12.393	-0.5619003	-0.659342	0.0020
72 8 6144828		57.17	-28.082	20.633	0.4909315	0.382427		72 8 6145733	-0.6767	40.33	-27.865	-13.007	-0.6658378	-0.689405	-0.0109
72 8 6144833	0.5314	56.94	-28.118	20.331	0.5199413	0.373087	0.0114	72 8 6145743	-0.7668	40.20	-27.784	-13.619	-0.7733536	-0.705344	0.0066
72 8 6144843	0.5929	56.48	-28.186	19.726	0.5761431	0.358038	0.0168	72 8 6145748		40.13	-27.742	-13.925	-0.8277794	-0.708012	
72 8 6144853	0.6369	56.02	-28.252	19.121	0.6303050	0.347877	0.0065	72 8 6145753	-0.8784	40.07	-27.699	-14.230	-0.8822411	-0.707396	0.0039
72 8 61449 3	0.6853	55.57	-28.316	18.514	0.6834599	0.342607	0.0018	72 8 61458 3	-0.9901	39.95	-27.612	-14.841	-0.9904392	-0.697069	0.0003
72 8 6144913	0.7327	55.13	-28.377	17.906	0.7360990	0.342222	-0.0034	72 8 6145813	-1.0968	39.83	-27.522	-15.451	-1.0961537	-0.674606	-0.0006
72 8 6144923	0.7801	54.69	-28.435	17.297	0.7890551	0.346726	-0.0090	72 8 6145823	-1.1976	39.72	-27.430	-16.059	-1.1974771	-0.640009	-0.0001
72 8 6144928		54.48	-28.463	16.992	0.8159168	0.350817		72 8 6145828		39.67	-27.383	-16.364	-1.2459607	-0.618134	
72 8 6144933	0.8481	54.26	-28.490	16.687	0.8429986	0.353692	0.0051	72 8 6145833	-1.2925	39.62	-27.335	-16.667	-1.2925100	-0.593369	0.0001
72 8 6144943	0.8910	53.83	-28.543	16.076	0.8972262	0.348536	-0.0062	72 8 6145843	-1.3799	39.52	-27.237	-17.274	-1.3795000	-0.535089	-0.0004
72 8 6144953	0.9446	53.41	-28.593	15.465	0.9495392	0.328814	-0.0049	72 8 6145853	-1.4631	39.44	-27.137	-17.880	-1.4566309	-0.465257	-0.0065
72 8 61450 3	0.9979	52.99	-28.641	14.852	0.9976794	0.294543	0.0002	72 8 61459 3	-1.5155	39.35	-27.034	-18.485	-1.5221032	-0.383905	0.0067
72 8 6145013	1.0440	52.58	-28.685	14.238	1.0394409	0.245696	0.0046	72 8 61459 8		39.32	-26.982	-18.787	-1.5500001	-0.338764	
72 8 6145018		52.38	-28.706	13.932	1.0572282	0.215799		72 8 6145913	-1.5663	39.28	-26.929	-19.089	-1.5743036	-0.295515	0.0080
72 8 6145023	1.0622	52.17	-28.727	13.625	1.0726252	0.184695	-0.0104	72 8 6145923	-1.6322	39.21	-26.821	-19.691	-1.6142325	-0.227498	-0.0180
72 8 6145033	1.1014	51.77	-28.766	13.010	1.0964687	0.126040	0.0049	72 8 6145933	-1.6346	39.15	-26.710	-20.292	-1.6456034	-0.184455	0.0111
72 8 6145043	1.1227	51.38	-28.803	12.394	1.1116563	0.072104	0.0110	72 8 6145943	-1.6736	39.09	-26.597	-20.893	-1.6722802	-0.166353	-0.0013
72 8 6145053	1.1184	50.99	-28.836	11.778	1.1189072	0.022908	-0.0005	72 8 6145948		39.07	-26.540	-21.193	-1.6850586	-0.166664	
72 8 61451 3	1.1208	50.60	-28.867	11.161	1.1189523	-0.021533	0.0019	72 8 6145953	-1.6955	39.04	-26.482	-21.492	-1.6979851	-0.169055	0.0025
72 8 61451 8		50.41	-28.882	10.852	1.1164924	-0.042035		72 8 615 0 3	-1.7301	39.00	-26.363	-22.090	-1.7239891	-0.167589	-0.0061
72 8 6145113	1.1202	50.22	-28.895	10.543	1.1125200	-0.061283	0.0077	72 8 615 013	-1.7476	38.97	-26.243	-22.687	-1.7491361	-0.157791	0.0016
72 8 6145123	1.0912	49.85	-28.921	9.926	1.1003182	-0.096528	-0.0092	72 8 615 023	-1.7684	38.94	-26.120	-23.282	-1.7721336	-0.139659	0.0038
72 8 6145133	1.0747	49.49	-28.943	9.307	1.0830431	-0.127290	-0.0083	72 8 615 028		38.93	-26.058	-23.580	-1.7824363	-0.127454	
72 8 6145143	1.0623	49.12	-28.963	8.687	1.0613701	-0.153591	0.0009	72 8 615 033	-1.7935	38.92	-25.995	-23.877	-1.7917463	-0.115297	-0.0018
72 8 6145153	1.0238	48.77	-28.980	8.068	1.0359933	-0.175421	-0.0122	72 8 615 043	-1.8101	38.90	-25.867	-24.470	-1.8079967	-0.097279	-0.0021
72 8 6145158		48.59	-28.987	7.758	1.0221153	-0.184668		72 8 615 053	-1.8220	38.90	-25.737	-25.061	-1.8221252	-0.087721	0.0001
72 8 61452 3	1.0119	48.42	-28.994	7.448	1.0076383	-0.191730	0.0043	72 8 615 1 3	-1.8373	38.90	-25.604	-25.652	-1.8354287	-0.086623	-0.0019
72 8 6145213	0.9722	48.07	-29.005	6.827	0.9776159	-0.196253	-0.0054	72 8 615 1 8		38.90	-25.537	-25.947	-1.8421999	-0.089255	
72 8 6145223	0.9660	47.74	-29.013	6.207	0.9478856	-0.187933	0.0181	72 8 615 113	-1.8397	38.90	-25.469	-26.242	-1.8491423	-0.090985	0.0094
72 8 6145233	0.9315	47.40	-29.019	5.585	0.9204336	-0.166780	0.0111	72 8 615 123	-1.8616	38.92	-25.332	-26.829	-1.8627118	-0.082736	0.0011
72 8 6145243	0.9029	47.08	-29.022	4.964	0.8972161	-0.132778	0.0057	72 8 615 133	-1.8838	38.93	-25.192	-27.416	-1.8738046	-0.058857	-0.0099
72 8 6145248		46.92	-29.022	4.653	0.8878137	-0.110952		72 8 615 143	-1.8860	38.96	-25.050	-28.001	-1.8800224	-0.019333	-0.0060
72 8 6145253	0.8794	46.76	-29.021	4.343	0.8801342	-0.089287	-0.0007	72 8 615 148		38.98	-24.978	-28.293	-1.8805491	0.006305	
72 8 61453 3	0.8631	46.44	-29.018	3.721	0.8691022	-0.056453	0.0060	72 8 615 153	-1.8753	38.99	-24.906	-28.584	-1.8789552	0.035757	0.0036
72 8 6145313	0.8446	46.14	-29.013	3.098	0.8620431	-0.037611	-0.0174	72 8 615 2 3	-1.8666	39.03	-24.760	-29.167	-1.8682481	0.105932	0.0016
72 8 6145323	0.8431	45.83	-29.004	2.477	0.8568061	-0.032775	-0.0137	72 8 615 213	-1.8334	39.08	-24.611	-29.748	-1.8455771	0.191170	0.0122
72 8 6145333	0.8421	45.54	-28.992	1.854	0.8512378	-0.041941	-0.0091	72 8 615 223	-1.8115	39.13	-24.460	-30.327	-1.8086296	0.291447	-0.0028
72 8 6145338		45.39	-28.986	1.543	0.8476440	-0.051806		72 8 615 228		39.16	-24.384	-30.617	-1.7840495	0.347289	
72 8 6145343	0.8584	45.25	-28.978	1.232	0.8431883	-0.064748	0.0152	72 8 615 233	-1.7553	39.19	-24.307	-30.905	-1.7550321	0.409913	-0.0003
72 8 6145353	0.8422	44.97	-28.961	0.610	0.8307295	-0.098992	0.0114	72 8 615 243	-1.6914	39.26	-24.152	-31.482	-1.6804599	0.565890	-0.0109
72 8 61454 3	0.8239	44.69	-28.941	-0.012	0.8121564	-0.144286	0.0118	72 8 615 253	-1.5800	39.33	-23.995	-32.057	-1.5787498	0.762555	-0.0013
72 8 6145413	0.7997	44.42	-28.918	-0.635	0.7857526	-0.200662	0.0139	72 8 615 3 3	-1.4369	39.41	-23.835	-32.631	-1.4436955	0.999815	0.0068
72 8 6145423	0.7381	44.15	-28.892	-1.256	0.7498201	-0.268105	-0.0118	72 8 615 3 8		39.46	-23.754	-32.918	-1.3614420	1.134099	
72 8 6145428		44.02	-28.878	-1.568	0.7277223	-0.306020		72 8 615 313	-1.2719	39.50	-23.673	-33.204	-1.2692441	1.265865	-0.0027
72 8 6145433	0.6999	43.89	-28.863	-1.879	0.7028083	-0.341375	-0.0029	72 8 615 323	-1.0587	39.59	-23.510	-33.774	-1.0565740	1.488387	-0.0021
72 8 6145443	0.6312	43.64	-28.832	-2.501	0.6461951	-0.389152	-0.0150	72 8 615 333	-0.7984	39.69	-23.344	-34.343	-0.8140295	1.655227	0.0156
72 8 6145453	0.5747	43.39	-28.797	-3.122	0.5845962	-0.406161	-0.0099	72 8 615 343	-0.5618	39.80	-23.177	-34.912	-0.5499923	1.765509	-0.0118
72 8 61455 3	0.5233	43.15	-28.760	-3.743	0.5227695	-0.392411	0.0005	72 8 615 348		39.86	-23.092	-35.195	-0.4125704	1.801298	
72 8 61455 8		43.04	-28.740	-4.054	0.4931564	-0.373941		72 8 615 353	-0.2747	39.92	-23.007	-35.477	-0.2730176	1.825712	-0.0017
72 8 6145513	0.4690	42.92	-28.720	-4.364	0.4651969	-0.355982	0.0038	72 8 615 4 3	0.0139	40.04	-22.835	-36.042	0.0104161	1.854162	0.0035
72 8 6145523	0.4286	42.69	-28.677	-4.984	0.4116415	-0.345650	0.0170	72 8 615 413	0.2942	40.16	-22.662	-36.606	0.2962412	1.855436	-0.0020
72 8 6145533	0.3641	42.47	-28.631	-5.685	0.3570600	-0.369573	0.0070	72 8 615 423	0.5827	40.30	-22.486	-37.167	0.5801699	1.829519	0.0025
72 8 6145543	0.2954	42.26	-28.583	-6.225	0.2961394	-0.427766	-0.0008	72 8 615 428		40.37	-22.398	-37.448	0.7202680	1.806334	
72 8 6145548		42.16	-28.558	-6.535	0.2616478	-0.469731		72 8 615 433	0.8536	40.44	-22.309	-37.728	0.8579602	1.778121	-0.0044
72 8 6145553	0.2163	42.05	-28.532	-6.844	0.2238453	-0.511629	-0.0076	72 8 615 443	1.1193	40.59	-22.129	-38.287	1.1266720	1.711357	-0.0074
72 8 61456 3	0.1288	41.85	-28.477	-7.463	0.1402330	-0.569502	-0.0114	72 8 615 453	1.4015	40.74	-21.948	-38.844	1.3840576	1.630941	0.0174
72 8 6145613	0.0520	41.66	-28.420	-8.062	0.0503418	-0.592816	0.0017	72 8 615 5 3							

72 8 615 523	2.0613	41.24	-21.394	-40.506	2.0656040	1.287472	-0.0043
72 8 615 533	2.2462	41.42	-21.206	-41.058	2.2509286	1.116303	-0.0047
72 8 615 543	2.4089	41.61	-21.015	-41.608	2.4075270	0.913305	0.0013
72 8 615 548		41.70	-20.920	-41.882	2.4735210	0.799049	
72 8 615 553	2.5261	41.80	-20.824	-42.155	2.5305903	0.684536	-0.0045
72 8 615 6 3	2.6226	42.00	-20.630	-42.702	2.6188977	0.466096	0.0037
72 8 615 613	2.6846	42.21	-20.435	-43.248	2.6748619	0.263836	0.0097
72 8 615 623	2.7050	42.42	-20.238	-43.791	2.7009470	0.077838	0.0041
72 8 615 633	2.6877	42.64	-20.040	-44.333	2.6996617	-0.091839	-0.0120
72 8 615 643	2.6711	42.86	-19.840	-44.874	2.6735067	-0.245319	-0.0025
72 8 615 653	2.6292	43.09	-19.639	-45.413	2.6249807	-0.382537	0.0042

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TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780
ERAD = 374911.6
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ELON = 4.255775, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DIFIT = 0.2000000
CONCAC = 1.083000
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YMDCHHMMSS	HZ	Km	Deg.	Deg.	HZ	mm/m**2	HZ
72 8 714 831	0.3589	187.72	14.655	111.484	0.3589014	0.181962	0.0000
72 8 714 931	0.4950	185.86	13.448	108.873	0.4949628	0.116123	0.0000
72 8 71410 1		184.87	12.833	107.575	0.5425293	0.090804	
72 8 7141031	0.5788	183.83	12.212	106.283	0.5789679	0.066539	-0.0002
72 8 7141131	0.6152	181.64	10.949	103.711	0.6148384	0.009196	0.0004
72 8 71412 1		180.48	10.308	102.432	0.6115618	-0.023882	
72 8 7141231	0.5926	179.28	9.662	101.156	0.5931135	-0.054821	-0.0005
72 8 71413 1		178.04	9.010	99.883	0.5620584	-0.078521	
72 8 7141331	0.5214	176.77	8.353	98.613	0.5207743	-0.101144	0.0006
72 8 7141431	0.4003	174.11	7.024	96.081	0.4010430	-0.161569	-0.0007
72 8 71415 1		172.72	6.353	94.818	0.3179286	-0.199370	
72 8 7141531	0.2179	171.30	5.678	93.556	0.2169893	-0.236913	0.0009
72 8 71416 1		169.84	4.999	92.296	0.1000374	-0.268852	
72 8 7141631	-0.0304	168.35	4.317	91.036	-0.0291359	-0.286987	-0.0013
72 8 7141731	-0.2854	165.28	2.944	88.516	-0.2871461	-0.257181	0.0017
72 8 71418 1		163.69	2.253	87.256	-0.3956508	-0.209250	
72 8 7141831	-0.4804	162.08	1.560	85.993	-0.4785135	-0.149354	-0.0019
72 8 71419 1		160.43	0.865	84.732	-0.5332763	-0.087593	
72 8 7141931	-0.5590	158.76	0.169	83.468	-0.5602809	-0.031626	0.0013
72 8 7142031	-0.5526	155.34	-1.228	80.932	-0.5523516	0.039804	-0.0002
72 8 71421 1		153.59	-1.927	79.660	-0.5298874	0.055274	
72 8 7142131	-0.5034	151.81	-2.627	78.385	-0.5277168	0.061622	-0.0007
72 8 71422 1		150.01	-3.327	77.106	-0.4773200	0.063215	
72 8 7142231	-0.4423	148.19	-4.027	75.822	-0.4440247	0.066898	0.0017
72 8 7142331	-0.3722	144.50	-5.424	73.240	-0.3692341	0.101052	-0.0030
72 8 71424 1		142.62	-6.120	71.942	-0.3158970	0.131520	
72 8 7142431	-0.2454	140.72	-6.815	70.637	-0.2488196	0.155332	0.0034
72 8 71425 1		138.82	-7.508	69.326	-0.1738953	0.156898	
72 8 7142531	-0.1085	136.89	-8.198	68.007	-0.1063003	0.143176	-0.0022

72 8 7142631	0.0044	133.00	-9.570	65.349	0.0043086	0.090875	0.0001
72 8 71427 1		131.04	-10.250	64.008	0.0376719	0.052291	
72 8 7142731	0.0520	129.07	-10.927	62.658	0.0510219	0.003525	0.0010
72 8 71428 1		127.09	-11.599	61.299	0.0390789	-0.057277	
72 8 7142831	-0.0011	125.11	-12.266	59.931	-0.0011027	-0.113093	0.0000
72 8 7142931	-0.1353	121.12	-13.584	57.165	-0.1333074	-0.158564	-0.0020
72 8 71430 1		119.12	-14.233	55.766	-0.2049669	-0.148230	
72 8 7143031	-0.2638	117.12	-14.876	54.356	-0.2665720	-0.114483	0.0028
72 8 71431 1		115.12	-15.512	52.934	-0.3068697	-0.055981	
72 8 7143131	-0.3195	113.12	-16.139	51.501	-0.3185301	-0.000752	-0.0010
72 8 7143231	-0.2982	109.13	-17.370	48.598	-0.2959706	0.029230	-0.0022
72 8 71433 1		107.14	-17.971	47.128	-0.2879057	0.000989	
72 8 7143331	-0.2936	105.16	-18.563	45.644	-0.2900698	-0.046811	0.0045
72 8 71434 1		103.19	-19.144	44.147	-0.3327813	-0.105373	
72 8 7143431	-0.3975	101.23	-19.715	42.636	-0.3922261	-0.143496	-0.0053
72 8 7143531	-0.4987	97.34	-20.821	39.573	-0.5042570	-0.064715	0.0056
72 8 71436 1		95.42	-21.355	38.020	-0.5091413	0.052164	
72 8 7143631	-0.4641	93.51	-21.876	36.453	-0.4592754	0.148290	-0.0048
72 8 71437 1		91.61	-22.383	34.871	-0.3065660	0.151194	
72 8 7143731	-0.3236	89.74	-22.876	33.274	-0.3250914	0.118674	0.0015
72 8 7143831	-0.2172	86.05	-23.816	30.036	-0.2206559	0.122502	0.0035
72 8 71439 1		84.24	-24.262	28.396	-0.1566863	0.150440	
72 8 7143931	-0.0746	82.45	-24.691	26.740	-0.0686639	0.231346	-0.0059
72 8 71440 1		80.69	-25.103	25.071	0.0647911	0.355384	
72 8 7144031	0.2622	78.95	-25.497	23.387	0.2586373	0.473868	0.0036
72 8 7144131	0.7397	75.57	-26.228	19.977	0.7304556	0.523880	0.0012
72 8 71442 1		73.92	-26.565	18.252	0.9668905	0.455438	
72 8 7144231	1.1508	72.30	-26.881	16.514	1.1548901	0.360401	-0.0041
72 8 71443 1		70.72	-27.176	14.764	1.3310889	0.274534	
72 8 7144331	1.4126	69.17	-27.450	13.001	1.4092687	0.194456	0.0033
72 8 7144431	1.5166	66.18	-27.933	9.443	1.5175554	0.041742	-0.0010
72 8 71445 1		64.75	-28.141	7.648	1.5199637	-0.038896	
72 8 7144531	1.4922	63.35	-28.325	5.844	1.4918646	-0.085865	0.0003
72 8 71446 1		61.99	-28.486	4.031	1.4467293	-0.104738	
72 8 7144631	1.3920	60.67	-28.623	2.211	1.3956864	-0.120945	-0.0037
72 8 7144731	1.2486	58.17	-28.825	-1.451	1.2393727	-0.235993	0.0092
72 8 71448 1		56.99	-28.889	-3.289	1.1086820	-0.334818	
72 8 7144831	0.9197	55.84	-28.928	-5.132	0.9315306	-0.424990	-0.0118
72 8 71449 1		54.75	-28.942	-6.978	0.7231790	-0.470254	
72 8 7144931	0.5079	53.70	-28.931	-8.827	0.4993715	-0.502200	0.0005
72 8 7145031	-0.0156	51.76	-28.834	-12.526	-0.0134706	-0.620767	-0.0021
72 8 71451 1		50.86	-28.748	-14.376	-0.3193215	-0.707378	
72 8 7145131	-0.6599	50.01	-28.636	-16.223	-0.6571215	-0.732127	-0.0028
72 8 71452 1		49.22	-28.499	-18.068	-0.9734973	-0.614926	
72 8 7145231	-1.2124	48.48	-28.338	-19.909	-1.2183623	-0.455191	0.0060
72 8 7145331	-1.5615	47.15	-27.941	-23.577	-1.5525250	-0.306560	-0.0090
72 8 71454 1		46.57	-27.707	-25.402	-1.6944801	-0.317638	
72 8 7145431	-1.8278	46.04	-27.448	-27.221	-1.8398232	-0.289742	0.0120
72 8 71455 1		45.57	-27.166	-29.031	-1.9413020	-0.127015	
72 8 7145531	-1.9596	45.15	-26.860	-30.832	-1.9431720	0.126134	-0.0184
72 8 7145631	-1.5217	44.48	-26.182	-34.407	-1.5435406	0.770066	0.0218
72 8 71457 1		44.24	-25.810	-36.179	-1.0996319	1.160828	
72 8 7145731	-0.5269	44.04	-25.416	-37.940	-0.5080456	1.315099	-0.0189
72 8 71458 1		43.91	-25.002	-39.689	0.0348286	0.950449	
72 8 7145831	0.3366	43.83	-24.567	-41.427	0.3415184	0.403782	-0.0049
72 8 7145931	0.4178	43.84	-23.640	-44.886	0.3786744	-0.234250	0.0411
72 8 715 0 1		43.94	-23.148	-46.567	0.2483945	-0.385691	
72 8 715 031	0.0568	44.08	-22.638	-48.255	0.1159422	-0.247221	-0.0591
72 8 715 1 1		44.29	-22.110	-49.929	0.0393892	-0.064802	
72 8 715 131	0.0987	44.55	-21.566	-51.591	0.0574453	0.123811	0.0413
72 8 715 231	0.2121	45.24	-20.431	-54.875	0.2173726	0.148223	-0.0053
72 8 715 3 1		45.68	-19.841	-56.497	0.2506957	-0.019821	
72 8 715 331	0.1919	46.16	-19.236	-58.167	0.2081811	-0.127299	-0.0162
72 8 715 4 1		46.71	-18.618	-59.703	0.1809330	-0.040873	
72 8 715 431	0.2275	47.30	-17.987	-61.287	0.2183263	0.196139	0.0112
72 8 715 531	0.5039	48.65	-16.689	-64.418	0.4979802	0.361872	0.0088

72 8 715 6 1		49.41	-16.024	-65.965	0.6601285	0.327631	
72 8 715 631	0.7715	50.21	-15.348	-67.501	0.7878274	0.211868	-0.0163
72 8 715 7 1		51.08	-14.662	-69.025	0.8417228	0.088018	
72 8 715 731	0.8138	51.98	-13.967	-70.538	0.7994483	-0.167528	0.0144
72 8 715 831	0.6285	53.95	-12.552	-73.533	0.6352671	-0.093685	-0.0068
72 8 715 9 1		55.01	-11.834	-75.015	0.6441157	0.155619	
72 8 715 931	0.7549	56.11	-11.108	-76.488	0.7533814	0.238596	0.0015
72 8 71510 1		57.27	-10.377	-77.951	0.7914558	-0.152665	
72 8 7151031	0.6049	58.46	-9.640	-79.406	0.6049679	-0.592073	-0.0001
72 8 7151131	0.0599	60.98	-8.151	-82.291	0.0598975	-0.336495	0.0000

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ELON = 6.341171, 2*0.0000000E+00,

ROTR = 8.948000E-03,

DFIT = 0.2000000

CONCAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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7211 111 535	-0.0699	108.34	-6.435	111.865	-0.0699087	0.239569	0.0000
7211 111 6 5	0.0284	108.54	-7.152	110.509	0.0286363	0.197682	-0.0002
7211 111 620		108.65	-7.509	109.830	0.0742389	0.200033	
7211 111 635	0.1224	108.76	-7.865	109.149	0.1213351	0.206893	0.0011
7211 111 7 5	0.2143	108.98	-8.573	107.785	0.2165119	0.201071	-0.0022
7211 111 720		109.09	-8.925	107.101	0.2615784	0.188396	
7211 111 735	0.3053	109.21	-9.276	106.416	0.3025530	0.163553	0.0027
7211 111 8 5	0.3547	109.45	-9.974	105.041	0.3570974	0.060476	-0.0023
7211 111 820		109.57	-10.321	104.352	0.3622808	-0.017742	
7211 111 835	0.3501	109.69	-10.666	103.662	0.3489273	-0.094439	0.0012
7211 111 9 5	0.2805	109.95	-11.352	102.276	0.2811876	-0.185871	-0.0087
7211 111 920		110.07	-11.693	101.581	0.2364659	-0.198827	
7211 111 935	0.1941	110.20	-12.032	100.884	0.1910285	-0.190631	0.0031
7211 11110 5	0.1127	110.47	-12.704	99.486	0.1197943	-0.102446	-0.0070
7211 1111020		110.61	-13.037	98.784	0.1048884	-0.022688	
7211 1111035	0.1167	110.74	-13.369	98.081	0.1190069	0.054859	0.0077
7211 11111 5	0.1486	111.02	-14.026	96.668	0.1532893	0.117742	-0.0047
7211 1111120		111.16	-14.351	95.959	0.1795143	0.104716	
7211 1111135	0.2023	111.31	-14.674	95.248	0.2085432	0.077268	0.0018
7211 11112 5	0.2235	111.60	-15.314	93.820	0.2248915	0.025839	-0.0006
7211 1111220		111.74	-15.630	93.103	0.2271972	0.001456	
7211 1111235	0.2251	111.89	-15.944	92.383	0.2250680	-0.018751	0.0000
7211 11113 5	0.2117	112.20	-16.364	90.939	0.2107944	-0.038491	0.0009
7211 1111320		112.35	-16.871	90.213	0.2018322	-0.038838	
7211 1111335	0.1904	112.50	-17.175	89.485	0.1934541	-0.034748	-0.0031
7211 11114 5	0.1836	112.82	-17.775	88.022	0.1782553	-0.031923	0.0053
7211 1111420		112.97	-18.071	87.288	0.1708595	-0.032378	
7211 1111435	0.1586	113.13	-18.364	86.558	0.1635384	-0.029838	-0.0049
7211 11115 5	0.1567	113.45	-18.941	85.069	0.1548516	-0.002959	0.0018
7211 1111520		113.62	-19.225	84.325	0.1568311	0.021332	

7211 1111535	0.1653	113.78	-19.506	83.578	0.1642810	0.040160	0.0010
7211 11116 5	0.1801	114.11	-20.059	82.078	0.1816998	0.023155	-0.0016
7211 1111620		114.28	-20.331	81.324	0.1832611	-0.012659	
7211 1111635	0.1742	114.45	-20.599	80.567	0.1752779	-0.055937	-0.0011
7211 11117 5	0.1364	114.78	-21.126	79.847	0.1312661	-0.132509	0.0051
7211 1111720		114.95	-21.384	78.282	0.0967792	-0.165806	
7211 1111735	0.0494	115.13	-21.639	77.516	0.0554745	-0.189228	-0.0061
7211 11118 5	-0.0300	115.47	-22.138	75.975	-0.0398372	-0.186702	0.0038
7211 1111820		115.64	-22.381	75.201	-0.0742487	-0.160768	
7211 1111835	-0.1105	115.82	-22.622	74.424	-0.1077552	-0.130893	-0.0027
7211 11119 5	-0.1556	116.17	-23.091	72.863	-0.1590227	-0.096924	0.0034
7211 1111920		116.35	-23.319	72.078	-0.1807527	-0.092822	
7211 1111935	-0.2046	116.52	-23.544	71.291	-0.2018669	-0.088594	-0.0027
7211 11120 5	-0.2356	116.88	-23.982	69.710	-0.2360590	-0.053638	0.0005
7211 1112020		117.06	-24.194	68.916	-0.2450629	-0.022919	
7211 1112035	-0.2461	117.24	-24.403	68.119	-0.2467291	0.006615	0.0006
7211 11121 5	-0.2361	117.60	-24.807	66.518	-0.2360919	0.031980	0.0000
7211 1112120		117.78	-25.003	65.713	-0.2289751	0.027824	
7211 1112135	-0.2342	117.96	-25.194	64.907	-0.2236742	0.018112	-0.0005
7211 11122 5	-0.2192	118.32	-25.384	63.287	-0.2197291	-0.000940	0.0005
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7211 11125 5	-0.2305	120.51	-27.391	53.386	-0.2332698	0.037798	0.0028
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7211	1151035	0.1699		111.18	-14.179	94.441	0.1709578	0.066701	-0.0011	7211	1153235	0.3812	125.45	-28.662	23.829	0.3818131	0.140994	-0.0006
7211	11511	5	0.1874	111.45	-14.826	93.019	0.1894170	0.014404	-0.0020	7211	11533	0.4465	125.77	-28.555	22.128	0.4489745	0.148420	-0.0025
7211	1151120			111.58	-15.146	92.305	0.1899878	-0.009173		7211	1153320		125.92	-28.494	21.279	0.4833028	0.148691	
7211	1151135	0.1870		111.72	-15.464	91.590	0.1854865	-0.028771	0.0015	7211	1153335	0.5210	126.07	-28.427	20.431	0.5174809	0.147127	0.0035
7211	11512	5	0.1686	111.99	-16.093	90.152	0.1665360	-0.049142	0.0021	7211	11534	0.5824	126.38	-28.278	18.739	0.5839435	0.139872	-0.0015
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7211	1151320			112.70	-17.621	86.519	0.1159809	-0.031587		7211	1153520		127.12	-27.817	14.534	0.7163369	0.071706	
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7211	11514	5	0.1004	113.14	-18.506	84.311	0.1028652	-0.003858	-0.0025	7211	11536	0.7442	127.55	-27.479	12.031	0.7433582	0.010927	0.0008
7211	1151420			113.29	-18.795	83.571	0.1033836	0.008620		7211	1153620		127.69	-27.357	11.201	0.7441919	-0.003192	
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7211	11515	5	0.1024	113.75	-19.644	81.335	0.1074198	-0.019696	-0.0050	7211	11537	0.7300	128.10	-26.961	8.722	0.7287190	-0.041755	0.0013
7211	1151520			113.90	-19.921	80.585	0.0985809	-0.059427		7211	1153720		128.24	-26.820	7.900	0.7175626	-0.054958	
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7211	11516	5	0.0231	114.37	-20.733	78.319	0.0192330	-0.153874	0.0039	7211	11538	0.6716	128.63	-26.367	5.446	0.6675112	-0.086947	0.0041
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7211	1151720			115.17	-22.017	74.492	-0.1637709	-0.136001		7211	1153920		129.27	-25.523	1.405	0.5433994	-0.134505	
7211	1151735	-0.1935		115.33	-22.264	73.719	-0.1930298	-0.117761	-0.0005	7211	1153935	0.5140	129.39	-25.341	0.604	0.5108063	-0.147502	0.0032
7211	11518	5	-0.2322	115.66	-22.745	72.165	-0.2400275	-0.087131	0.0078	7211	11540	0.4378	129.62	-24.964	-0.990	0.4377148	-0.167886	0.0001
7211	1151820			115.83	-22.980	71.385	-0.2586685	-0.074739		7211	1154020		129.74	-24.770	-1.783	0.3980810	-0.175275	
7211	1151835	-0.2821		115.99	-23.211	70.602	-0.2744269	-0.060982	-0.0077	7211	1154035	0.3561	129.85	-24.571	-2.574	0.3567319	-0.183462	-0.0006
7211	11519	5	-0.2946	116.32	-23.662	69.027	-0.2937203	-0.019490	-0.0009	7211	11541	0.2645	130.08	-24.161	-4.147	0.2663912	-0.210196	-0.0019
7211	1151920			116.49	-23.881	68.237	-0.2951078	0.008241		7211	1154120		130.19	-23.950	-4.930	0.2158079	-0.228740	
7211	1151935	-0.2839		116.66	-24.096	67.443	-0.2901200	0.033286	0.0062	7211	1154135	0.1625	130.30	-23.736	-5.710	0.1608514	-0.246420	0.0016
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7211	11521	5	-0.2374	117.68	-25.299	62.631	-0.2370613	0.004338	-0.0003	7211	11543	-0.2088	130.91	-22.368	-10.334	-0.2046814	-0.263954	-0.0041
7211	1152120			117.85	-25.484	61.821	-0.2383636	-0.016114		7211	1154320		131.00	-22.128	-11.095	-0.2652997	-0.261267	
7211	1152135	-0.2445		118.02	-25.665	61.008	-0.2442343	-0.033083	-0.0003	7211	1154335	-0.3189	131.10	-21.884	-11.854	-0.3251450	-0.256528	0.0062
7211	11522	5	-0.2616	118.36	-26.013	59.376	-0.2619951	-0.037242	0.0004	7211	11544	-0.4437	131.28	-21.385	-13.363	-0.4395208	-0.236632	-0.0042
7211	1152220			118.53	-26.180	58.557	-0.2693038	-0.024443		7211	1154420		131.37	-21.131	-14.114	-0.4924498	-0.221479	
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7211	1152420			119.92	-27.346	51.928	-0.2399108	0.036142		7211	1154620		132.00	-18.986	-20.024	-0.7295628	-0.016186	
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7211	11549 5	-0.4082	132.65	-15.748	-27.895	-0.4113348	0.218330	0.0031
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7211	1154935	-0.3117	132.74	-15.128	-29.296	-0.3092609	0.221849	-0.0024
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7211	1155335	0.3326	133.15	-9.899	-40.236	-0.3309117	0.121690	0.0017
7211	11554 5	0.3796	133.16	-9.218	-41.575	-0.3795520	0.086256	0.0000
7211	1155420		133.16	-8.875	-42.242	-0.3967770	0.062327	
7211	1155435	0.4057	133.17	-8.532	-42.908	-0.4082836	0.037856	-0.0026
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7211	1155520		133.15	-7.494	-44.900	-0.4138912	-0.017036	
7211	1155535	0.4059	133.14	-7.146	-45.561	-0.4083765	-0.030741	-0.0025
7211	11556 5	0.3863	133.12	-6.447	-46.882	-0.3878277	-0.058314	-0.0015
7211	1155620		133.10	-6.096	-47.540	-0.3727708	-0.072181	
7211	1155635	0.3554	133.09	-5.745	-48.198	-0.3546247	-0.084457	0.0008
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7211	116 5 5	-0.2902	131.20	6.355	-70.433	-0.2938970	-0.062803	0.0032
7211	116 620		131.10	6.705	-71.094	-0.3068301	-0.050337	
7211	116 535	-0.3216	131.01	7.055	-71.756	-0.3173607	-0.040791	-0.0042
7211	116 6 5	-0.3308	130.82	7.753	-73.083	-0.3315082	-0.020152	0.0007
7211	116 620		130.72	8.100	-73.748	-0.3348890	-0.009060	
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7211	116 9 5	-0.2647	129.51	11.839	-81.156	-0.2654197	-0.069664	0.0007
7211	116 920		129.39	12.170	-81.839	-0.2488464	-0.073537	
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7211	11610 5	-0.1948	129.03	13.155	-83.899	-0.1942367	-0.085584	-0.0006
7211	1161020		128.89	13.479	-84.589	-0.1738217	-0.091492	
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7211	11611 5	-0.1073	128.51	14.442	-86.672	-0.1065113	-0.099006	-0.0008
7211	1161120		128.37	14.759	-87.370	-0.0839200	-0.096341	
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7211	1161220		127.83	16.006	-90.186	-0.0007302	-0.085517	
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7211	1161435	0.0582	126.54	18.674	-96.657	0.0574331	-0.004353	0.0008
7211	11615 5	0.0588	125.24	19.238	-98.123	0.0591490	0.012677	-0.0003
7211	1161520		126.08	19.515	-98.860	0.0632625	0.023194	
7211	1161535	0.0703	125.93	19.790	-99.599	0.0700996	0.036850	0.0002
7211	11616 5	0.0954	125.62	20.331	-101.085	0.0960726	0.078953	-0.0007
7211	1161620		125.46	20.596	-101.833	0.1174807	0.107393	
7211	1161635	0.1457	125.31	20.859	-102.583	0.1457528	0.137088	-0.0001
7211	11617 5	0.2232	124.99	21.374	-104.091	0.2214308	0.189115	0.0018
7211	1161720		124.82	21.627	-104.849	0.2676999	0.211450	
7211	1161735	0.3168	124.67	21.876	-105.610	0.3190440	0.233645	-0.0022
7211	11618 5	0.4395	124.34	22.364	-107.141	0.4383158	0.284473	0.0012
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7211	119 424	0.4055	108.93	-6.517	107.875	0.4058245	0.026767	-0.0003
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7211	119 454	0.4162	109.09	-7.234	106.520	0.4147547	0.011458	0.0014
7211	119 524	0.4062	109.26	-7.947	105.161	0.4087924	-0.046642	-0.0026
7211	119 539		109.35	-8.302	104.479	0.3925019	-0.096771	
7211	119 554	0.3660	109.44	-8.656	103.797	0.3642113	-0.145754	0.0018
7211	119 624	0.2836	109.62	-9.359	102.429	0.2830423	-0.195041	0.0006
7211	119 639		109.72	-9.709	101.742	0.2376527	-0.195313	
7211	119 654	0.1924	109.82	-10.057	101.055	0.1940972	-0.179622	-0.0017
7211	119 724	0.1279	110.02	-10.750	99.675	0.1268718	-0.101133	0.0010
7211	119 739		110.12	-11.094	98.984	0.1104675	-0.038305	
7211	119 754	0.1089	110.22	-11.436	98.290	0.1090672	0.023096	-0.0002
7211	119 824	0.1382	110.44	-12.116	96.899	0.1381580	0.090627	0.0000
7211	119 839		110.55	-12.453	96.200	0.1601477	0.096721	
7211	119 854	0.1810	110.66	-12.788	95.500	0.1817634	0.089179	-0.0008
7211	119 924	0.2164	110.88	-13.453	94.095	0.2147009	0.047624	0.0017
7211	119 939		111.00	-13.782	93.389	0.2219402	0.013594	
7211	119 954	0.2194	111.12	-14.110	92.682	0.2209757	-0.020526	-0.0016
7211	1191024	0.2010	111.35	-14.758	91.261	0.2003621	-0.063050	0.0006
7211	1191039		111.48	-15.079	90.548	0.1846667	-0.071437	
7211	1191054	0.1672	111.60	-15.398	89.833	0.1677896	-0.074524	-0.0006
7211	1191124	0.1342	111.85	-16.029	88.396	0.1330349	-0.074699	0.0012
7211	1191139		111.98	-16.340	87.674	0.1160812	-0.071783	
7211	1191154	0.0999	112.10	-16.649	86.950	0.1006680	-0.066601	-0.0002
7211	1191224	0.0708	112.37	-17.260	85.496	0.0730805	-0.048617	-0.0023

7211	1191239		112.50	-17.561	84.765	0.0632824	-0.035810		7211	1194044	-0.0303	129.31	-23.930	-7.005	-0.0297519	-0.231026	-0.0005
7211	1191254	0.0601	112.63	-17.860	84.032	0.0563741	-0.025236	0.0037	7211	1194059		129.42	-23.714	-7.786	-0.0839760	-0.238619	
7211	1191324	0.0426	112.90	-18.448	82.559	0.0458447	-0.025036	-0.0032	7211	1194114	-0.1404	129.53	-23.495	-8.564	-0.1397599	-0.244162	-0.0006
7211	1191339		113.04	-18.738	81.819	0.0389977	-0.035423		7211	1194144	-0.2535	129.74	-23.044	-10.111	-0.2533267	-0.245685	-0.0002
7211	1191354	0.0305	113.18	-19.026	81.077	0.0289395	-0.052999	0.0016	7211	1194159		129.84	-22.813	-10.881	-0.3096379	-0.241665	
7211	1191424	-0.0074	113.46	-19.591	79.584	-0.0076433	-0.110423	0.0002	7211	1194214	-0.3637	129.94	-22.579	-11.648	-0.3646919	-0.234959	0.0010
7211	1191439		113.60	-19.869	78.835	-0.0376060	-0.150285		7211	1194244	-0.4702	130.14	-22.099	-13.173	-0.4688953	-0.214994	-0.0013
7211	1191454	-0.0774	113.75	-20.144	78.082	-0.0765605	-0.184163	-0.0008	7211	1194259		130.23	-21.854	-13.932	-0.5170363	-0.201735	
7211	1191524	-0.1669	114.04	-20.684	76.570	-0.1668259	-0.193982	-0.0001	7211	1194314	-0.5596	130.33	-21.605	-14.688	-0.5618451	-0.186041	0.0022
7211	1191539		114.18	-20.949	75.810	-0.2092163	-0.169885		7211	1194344	-0.6425	130.51	-21.098	-16.193	-0.6390443	-0.146596	-0.0035
7211	1191554	-0.2431	114.33	-21.210	75.048	-0.2448320	-0.140187	0.0017	7211	1194359		130.60	-20.840	-16.941	-0.6701949	-0.122845	
7211	1191624	-0.3028	114.63	-21.723	73.515	-0.3001913	-0.105021	-0.0026	7211	1194414	-0.6925	130.68	-20.578	-17.686	-0.6955990	-0.097009	0.0031
7211	1191639		114.78	-21.974	72.745	-0.3236605	-0.099567		7211	1194444	-0.7289	130.85	-20.046	-19.169	-0.7276599	-0.040890	-0.0012
7211	1191654	-0.3455	114.93	-22.221	71.972	-0.3461816	-0.094395	0.0007	7211	1194459		130.93	-19.775	-19.907	-0.7336320	-0.018605	
7211	1191724	-0.3822	115.24	-22.705	70.419	-0.3833096	-0.061414	0.0011	7211	1194514	-0.7327	131.01	-19.501	-20.642	-0.7325529	0.019721	-0.0001
7211	1191739		115.39	-22.941	69.639	-0.3944260	-0.033592		7211	1194544	-0.7098	131.17	-18.945	-22.105	-0.7102000	0.076179	0.0004
7211	1191754	-0.3943	115.54	-23.173	68.856	-0.3988691	-0.006370	0.0046	7211	1194559		131.24	-18.663	-22.832	-0.6895718	0.102311	
7211	1191824	-0.4055	115.86	-23.626	67.282	-0.3939191	0.022015	-0.0116	7211	1194614	-0.6634	131.31	-18.377	-23.557	-0.6631436	0.126123	-0.0003
7211	1191839		116.01	-23.847	66.491	-0.3885349	0.023160		7211	1194644	-0.5951	131.45	-17.799	-25.000	-0.5956657	0.164031	0.0006
7211	1191854	-0.3766	116.17	-24.063	65.698	-0.3835698	0.019841	0.0070	7211	1194659		131.51	-17.506	-25.718	-0.5561115	0.178127	
7211	1192054		117.45	-25.642	59.264	-0.3767487	-0.014870		7211	1194714	-0.5158	131.58	-17.210	-26.433	-0.5136444	0.189410	-0.0022
7211	1192254	-0.4119	118.75	-26.932	52.683	-0.4078234	0.000232	-0.0041	7211	1194744	-0.4181	131.70	-16.612	-27.857	-0.4222741	0.204816	0.0042
7211	1192324	-0.3983	119.08	-27.207	51.017	-0.4030034	0.021837	0.0047	7211	1194759		131.76	-16.309	-28.566	-0.3744726	0.208939	
7211	1192339		119.25	-27.337	50.182	-0.3964371	0.035322		7211	1194814	-0.3302	131.82	-16.004	-29.272	-0.3260197	0.210350	-0.0042
7211	1192354	-0.3879	119.41	-27.462	49.344	-0.3869690	0.045282	-0.0009	7211	1194844	-0.2281	131.92	-15.386	-30.678	-0.2298915	0.204051	0.0018
7211	1192424	-0.3652	119.74	-27.697	47.664	-0.3662098	0.038770	0.0010	7211	1194859		131.97	-15.075	-31.378	-0.1836195	0.196343	
7211	1192439		119.91	-27.807	46.822	-0.3589900	0.022281		7211	1194914	-0.1381	132.02	-14.761	-32.075	-0.1393479	0.187281	0.0012
7211	1192454	-0.3573	120.07	-27.912	45.978	-0.3559245	0.005736	-0.0014	7211	1194944	-0.0601	132.11	-14.126	-33.465	-0.0568879	0.170157	-0.0032
7211	11926		120.90	-28.358	41.739	-0.3428104	0.053154		7211	1194959		132.15	-13.806	-34.156	-0.0185458	0.162094	
7211	1192724	-0.2173	121.72	-28.672	37.473	-0.2181606	0.139767	0.0009	7211	1195014	0.0206	132.19	-13.485	-34.846	0.0179939	0.154630	0.0026
7211	11928	-0.1343	122.15	-28.785	35.190	-0.1333132	0.129297	-0.0010	7211	1195044	0.0857	132.27	-12.835	-36.220	0.0864013	0.142286	-0.0007
7211	1192819		122.31	-28.818	34.333	-0.1049729	0.115199		7211	1195059		132.30	-12.508	-36.904	0.1186671	0.137408	
7211	1192834	-0.0797	122.47	-28.845	33.476	-0.0800579	0.101983	0.0004	7211	1195114	0.1512	132.33	-12.179	-37.587	0.1498758	0.132995	0.0013
7211	11929	-0.0358	122.80	-28.883	31.761	-0.0351556	0.097392	-0.0006	7211	1195144	0.2056	132.39	-11.516	-38.947	0.2092766	0.124375	-0.0037
7211	1192919		122.96	-28.894	30.904	-0.0118054	0.106031		7211	1195159		132.41	-11.182	-39.624	0.2375004	0.120167	
7211	1192934	0.0164	123.12	-28.900	30.046	0.0139497	0.116678	0.0025	7211	1195214	0.2671	132.44	-10.847	-40.300	0.2646140	0.114121	0.0025
7211	11930	0.0666	123.43	-28.895	28.331	0.0709812	0.128211	-0.0044	7211	1195244	0.3140	132.48	-10.172	-41.647	0.3124923	0.090790	0.0015
7211	1193019		123.59	-28.884	27.474	0.1007563	0.129091		7211	1195259		132.49	-9.833	-42.319	0.3315272	0.073505	
7211	1193034	0.1348	123.75	-28.868	26.617	0.1305030	0.128970	0.0043	7211	1195314	0.3447	132.51	-9.492	-42.989	0.3463532	0.055249	-0.0017
7211	11931	0.1887	124.06	-28.820	24.905	0.1906675	0.132502	-0.0020	7211	1195344	0.3625	132.53	-8.806	-44.325	0.3644048	0.024154	-0.0019
7211	1193119		124.22	-28.788	24.050	0.2216670	0.136157		7211	1195359		132.54	-8.462	-44.991	0.3684639	0.011315	
7211	1193134	0.2527	124.37	-28.750	23.196	0.2536054	0.140820	-0.0009	7211	1195414	0.3719	132.55	-8.116	-45.656	0.3696584	-0.001138	0.0022
7211	11932	0.3240	124.68	-28.659	21.490	0.3211853	0.152446	0.0028	7211	1195444	0.3641	132.55	-7.422	-46.983	0.3628270	-0.029144	0.0013
7211	1193219		124.83	-28.606	20.638	0.3571828	0.159411		7211	1195459		132.55	-7.073	-47.645	0.3543240	-0.044698	
7211	1193234	0.3919	124.98	-28.547	19.787	0.3945140	0.162900	-0.0026	7211	1195514	0.3394	132.55	-6.724	-48.305	0.3423135	-0.058658	-0.0029
7211	11933	0.4682	125.28	-28.414	18.089	0.4671807	0.146751	0.0010	7211	1195544	0.3126	132.54	-6.022	-49.624	0.3110606	-0.073917	0.0015
7211	1193319		125.43	-28.339	17.242	0.4989523	0.127098		7211	11956		132.52	-5.552	-50.502	0.2879840	-0.074710	
7211	1193334	0.5252	125.58	-28.260	16.396	0.5257015	0.105351	-0.0005	7211	1195624	0.2651	132.51	-5.082	-51.377	0.2658304	-0.068124	-0.0067
7211	11934	0.5676	125.87	-28.085	14.709	0.5661747	0.072305	0.0014	7211	11957	0.2349	132.46	-4.136	-53.126	0.2331650	-0.033149	0.0017
7211	1193419		126.01	-27.990	13.868	0.5815026	0.061013		7211	1195719		132.44	-3.781	-53.780	0.2278110	-0.012533	
7211	1193434	0.5923	126.16	-27.890	13.029	0.5943168	0.049358	-0.0020	7211	1195734	0.2246	132.42	-3.425	-54.434	0.2272740	0.006764	-0.0027
7211	11935	0.6109	126.44	-27.675	11.355	0.6094382	0.013322	0.0015	7211	11958	0.2382	132.37	-2.712	-55.740	0.2357076	0.025310	0.0025
7211	1193519		126.58	-27.560	10.520	0.6097801	-0.011069		7211	1195819		132.34	-2.354	-56.393	0.2415935	0.024544	
7211	1193534	0.6044	126.72	-27.440	9.686	0.6044292	-0.034193	0.0000	7211	1195834	0.2449	132.31	-1.997	-57.045	0.2466757	0.019048	-0.0018
7211	11936	0.5803	127.00	-27.185	8.029	0.5815867	-0.060274	-0.0013	7211	11959	0.2525	132.24	-1.281	-58.349	0.2514352	-0.000281	0.0011
7211	1193619		127.13	-27.051	7.203	0.5671965	-0.063218		7211	1195932		132.17	-0.624	-59.544	0.2458305	-0.027760	
7211	1193634	0.5534	127.27	-26.912	6.379	0.5524930	-0.064955	0.0009	7211	1195959	0.2257	132.10	0.032	-60.738	0.2270552	-0.061528	-0.0014
7211	11937	0.5200	127.53	-26.619	4.737	0.5193729	-0.081405	0.0006	7211	120	0.54	131.92	1.347	-63.128	0.1431747	-0.138857	0.0037
7211	1193719		127.66	-26.466	3.920	0.4989554	-0.096128		7211	120 1		131.87	1.705	-63.780	0.1084257	-0.162224	
7211	1193734	0.4741	127.79	-26.308	3.105	0.4749185	-0.111845	-0.0008	7211	120 124	0.0649	131.82	2.063	-64.432	0.0686027	-0.181431	-0.0037
7211	11938	0.4169	128.05	-25.978	1.481	0.4172656	-0.136368	-0.0004	7211	120 154	-0.0190	131.70	2.778	-65.738	-0.0190499	-0.192112	0.0000
7211	1193827		128.23	-25.719	0.270	0.3677450	-0.148703		7211	120 2		131.64	3.135	-66.392	-0.0626104	-0.183568	
7211	119																

7211 120 354	-0.2466	131.17	5.621	-70.984	-0.2451366	-0.036548	-0.0015
7211 120 4 9		131.09	5.973	-71.645	-0.2518286	-0.022021	
7211 120 424	-0.2523	131.01	6.325	-72.302	-0.2555231	-0.010325	0.0032
7211 120 454	-0.2565	130.85	7.027	-73.625	-0.2559280	0.007281	-0.0006
7211 120 5 9		130.77	7.376	-74.288	-0.2535272	0.013187	
7211 120 524	-0.2509	130.69	7.725	-74.952	-0.2499561	0.017592	-0.0009
7211 120 554	-0.2403	130.51	8.419	-76.283	-0.2403672	0.023243	0.0001
7211 120 6 9		130.41	8.764	-76.951	-0.2348354	0.024486	
7211 120 624	-0.2290	130.33	9.108	-77.619	-0.2290000	0.026544	0.0000
7211 120 654	-0.2131	130.14	9.793	-78.961	-0.2143441	0.038740	0.0012
7211 120 7 9		130.03	10.134	-79.634	-0.2042777	0.048882	
7211 120 724	-0.1933	129.94	10.473	-80.389	-0.1917992	0.058746	-0.0015
7211 120 754	-0.1613	129.74	11.147	-81.662	-0.1618622	0.068786	0.0006
7211 120 8 9		129.63	11.482	-82.342	-0.1458939	0.068956	
7211 120 824	-0.1304	129.53	11.815	-83.023	-0.1300385	0.068967	-0.0004
7211 120 854	-0.0954	129.31	12.477	-84.390	-0.0966213	0.077741	0.0012
7211 120 9 9		129.19	12.806	-85.076	-0.0777105	0.086509	
7211 120 924	-0.0585	129.09	13.133	-85.764	-0.0567123	0.094898	-0.0018
7211 120 954	-0.0097	128.86	13.781	-87.146	-0.0109988	0.100690	0.0013
7211 12010 9		128.74	14.102	-87.841	-0.0120259	0.098087	
7211 1201024	0.0344	128.62	14.421	-88.536	0.0340999	0.093055	0.0003
7211 1201054	0.0720	128.38	15.054	-89.935	0.0740907	0.079384	-0.0021
7211 12011 9		128.25	15.367	-90.637	0.0914501	0.070743	
7211 1201124	0.1089	128.13	15.678	-91.342	0.1065982	0.060090	0.0023
7211 1201154	0.1267	127.88	16.294	-92.757	0.1278875	0.030239	-0.0012
7211 12012 9		127.75	16.598	-93.469	0.1327086	0.011037	
7211 1201224	0.1341	127.62	16.906	-94.183	0.1331260	-0.006344	0.0010
7211 1201254	0.1238	127.36	17.497	-95.617	0.1256466	-0.021752	-0.0018
7211 12013 9		127.22	17.791	-96.338	0.1207279	-0.019766	
7211 1201324	0.1188	127.09	18.083	-97.061	0.1168692	-0.013245	0.0019
7211 1201354	0.1143	126.82	18.659	-98.516	0.1151783	0.007668	-0.0009
7211 12014 9		126.67	18.943	-99.247	0.1185611	0.022064	
7211 1201424	0.1255	126.54	19.223	-99.980	0.1255752	0.039226	-0.0001
7211 1201454	0.1536	126.26	19.777	-101.455	0.1531958	0.082387	0.0004
7211 12015 9		126.11	20.049	-102.197	0.1751697	0.108393	
7211 1201524	0.2029	125.97	20.318	-102.941	0.2032599	0.134727	-0.0004
7211 1201554	0.2766	125.68	20.847	-104.437	0.2764220	0.180722	0.0002
7211 12016 9		125.53	21.107	-105.190	0.3204731	0.200378	
7211 1201624	0.3693	125.38	21.363	-105.944	0.3693396	0.225364	0.0000
7211 1201654	0.4919	125.09	21.866	-107.462	0.4918985	0.314192	0.0000

7211 123 245	0.3068	108.71	-4.939	108.808	0.3067928	0.015048	0.0000
7211 123 315	0.3163	108.84	-5.663	107.461	0.3164949	0.019384	-0.0002
7211 123 330		108.90	-6.024	106.786	0.3194658	0.004457	
7211 123 345	0.3189	108.97	-6.385	106.110	0.3180383	-0.017154	0.0009
7211 123 415	0.2977	109.11	-7.102	104.756	0.2990789	-0.066292	-0.0014
7211 123 430		109.18	-7.460	104.077	0.2806368	-0.093819	
7211 123 445	0.2564	109.25	-7.816	103.397	0.2561328	-0.116560	0.0003
7211 123 515	0.2001	109.40	-8.526	102.035	0.1980378	-0.127412	0.0021
7211 123 530		109.48	-8.878	101.352	0.1697763	-0.115522	
7211 123 545	0.1422	109.56	-9.230	100.667	0.1455323	-0.092862	-0.0033
7211 123 615	0.1212	109.73	-9.929	99.294	0.1185055	-0.017554	0.0027
7211 123 630		109.82	-10.277	98.606	0.1203379	0.035096	
7211 123 645	0.1335	109.91	-10.623	97.916	0.1343280	0.082801	-0.0008
7211 123 715	0.1827	110.09	-11.310	96.532	0.1838695	0.118557	-0.0012
7211 123 730		110.18	-11.651	95.837	0.2102405	0.106608	
7211 123 745	0.2341	110.28	-11.991	95.141	0.2321882	0.082962	0.0019
7211 123 815	0.2562	110.47	-12.665	93.744	0.2576826	0.025140	-0.0015
7211 123 830		110.57	-12.999	93.043	0.2596090	-0.009035	
7211 123 845	0.2551	110.67	-13.331	92.340	0.2537148	-0.040565	0.0014
7211 123 915	0.2235	110.88	-13.990	90.928	0.2251712	-0.077219	-0.0017
7211 123 930		110.99	-14.316	90.219	0.2065852	-0.082343	
7211 123 945	0.1884	111.10	-14.640	89.508	0.1874634	-0.083458	0.0009
7211 1231015	0.1489	111.32	-15.282	88.081	0.1479961	-0.088036	0.0009
7211 1231030		111.43	-15.599	87.364	0.1272893	-0.091498	
7211 1231045	0.1034	111.54	-15.914	86.645	0.1059524	-0.092371	-0.0026
7211 1231115	0.0688	111.77	-16.537	85.201	0.0661147	-0.076232	0.0027
7211 1231130		111.89	-16.844	84.475	0.0503662	-0.059220	
7211 1231145	0.0385	112.01	-17.149	83.747	0.0386514	-0.043882	-0.0002
7211 1231215	0.0176	112.26	-17.751	82.285	0.0206190	-0.040414	-0.0030
7211 1231230		112.38	-18.048	81.550	0.0109772	-0.052444	
7211 1231245	-0.0022	112.50	-18.342	80.813	-0.0040996	-0.071050	0.0019
7211 1231315	-0.0456	112.76	-18.922	79.332	-0.0476470	-0.120265	0.0020
7211 1231330		112.89	-19.207	78.588	-0.0788650	-0.150874	
7211 1231345	-0.1181	113.02	-19.490	77.841	-0.1168880	-0.176093	-0.0012
7211 1231415	-0.2054	113.28	-20.045	76.340	-0.2018669	-0.182180	-0.0035
7211 1231430		113.41	-20.318	75.586	-0.2419977	-0.163050	
7211 1231445	-0.2737	113.55	-20.587	74.829	-0.2767287	-0.138525	0.0030
7211 1231515	-0.3302	113.82	-21.117	73.308	-0.3315132	-0.101466	0.0013
7211 1231530		113.96	-21.376	72.543	-0.3534119	-0.088930	
7211 1231545	-0.3707	114.10	-21.632	71.776	-0.3727079	-0.078180	0.0020
7211 1231615	-0.4087	114.38	-22.133	70.234	-0.4036098	-0.055403	-0.0051
7211 1231630		114.52	-22.378	69.459	-0.4150192	-0.043377	
7211 1231645	-0.4271	114.66	-22.620	68.682	-0.4236769	-0.031883	-0.0034
7211 1231715	-0.4283	114.95	-23.091	67.120	-0.4338947	-0.013375	0.0056
7211 1231942		116.41	-25.176	59.289	-0.4322356	-0.009221	
7211 1232210	-0.4829	117.93	-26.835	51.229	-0.4794583	-0.009970	-0.0034
7211 1232255	-0.4775	118.40	-27.250	48.729	-0.4778903	0.016585	0.0004
7211 1232310		118.56	-27.379	47.893	-0.4727425	0.028226	
7211 1232325	-0.4584	118.72	-27.502	47.054	-0.4650095	0.037932	0.0066
7211 1232355	-0.4488	119.93	-27.734	45.372	-0.4458367	0.041630	-0.0030
7211 1232410		119.19	-27.842	44.528	-0.4368161	0.035611	
7211 1232425	-0.4311	119.35	-27.945	43.683	-0.4293081	0.030717	-0.0018
7211 1232455	-0.4145	119.67	-28.136	41.989	-0.4153568	0.043374	-0.0011
7211 1232510		119.83	-28.223	41.140	-0.4014550	0.060941	
7211 1232525	-0.3817	119.98	-28.306	40.290	-0.3850863	0.080303	0.0034
7211 1232555	-0.3435	120.30	-28.455	38.586	-0.3411512	0.107446	-0.0023
7211 1232610		120.46	-28.521	37.732	-0.3153638	0.115222	
7211 1232625	-0.2864	120.62	-28.582	36.878	-0.2882300	0.119442	0.0018
7211 1232655	-0.2351	120.93	-28.689	35.167	-0.2328766	0.118195	-0.0022
7211 1232710		121.09	-28.734	34.311	-0.2061490	0.112721	
7211 1232725	-0.1804	121.25	-28.773	33.454	-0.1807988	0.107711	0.0004
7211 1232755	-0.1280	121.56	-28.837	31.738	-0.1311483	0.110143	0.0031
7211 1232810		121.72	-28.860	30.880	-0.1049301	0.117593	
7211 1232825	-0.0811	121.87	-28.878	30.022	-0.0768008	0.125801	-0.0043
7211 1232855	-0.0139	122.19	-28.898	28.305	-0.0163438	0.134348	0.0024
7211 1232910		122.34	-28.900	27.447	0.0147736	0.134683	

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 JEPOCH = 72, 11, 1, 23, 36,

STATE = 1857.930 6.5051578E-03, 151.0998 , 297.5147 ,

168.2319 122.9351

ICORD = 1,

STATE = 1660.979 106.1062 , -840.2670 , 0.2514316

-1.574682 0.2784865

LONEP = 999.9000

REFEP = 640

DUTSEC = 0.0000000E+00,

TRANSA = 0.0000000E+00,

TRANSB = 0.0000000E+00,

GM = 4902.780

ERAD = 396839.9

ELAT = 3.113744 2*0.0000000E+00,

ELON = 5.968002 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DIYIT = 0.2000000

CONCAC = 1.083000

#END
 EPOCH DATE RESIDUAL ALTITUDE LATITUDE LONGITUDE FIT DATA FIT ACCEL RES/FIT
 YYYYMMSS Hz Km Deg. Deg. Hz mm/s**2 Hz

7211 1232925	0.0453	122.50	-28.897	26.589	0.0458439	0.135111	-0.0005
7211 1232955	0.1094	122.80	-28.873	24.873	0.1099362	0.144414	-0.0005
7211 1233010		122.96	-28.854	24.016	0.1442604	0.153295	
7211 1233025	0.1828	123.11	-28.829	23.159	0.1807086	0.162182	0.0021
7211 1233055	0.2549	123.42	-28.762	21.447	0.2581888	0.171603	-0.0033
7211 1233110		123.57	-28.721	20.593	0.2979358	0.172131	
7211 1233125	0.3387	123.72	-28.674	19.739	0.3374520	0.169974	0.0012
7211 1233155	0.4165	124.02	-28.565	18.034	0.4135372	0.157905	0.0030
7211 1233210		124.17	-28.503	17.183	0.4489104	0.147988	
7211 1233225	0.4772	124.31	-28.435	16.334	0.4816349	0.135119	-0.0044
7211 1233255	0.5390	124.61	-28.284	14.639	0.5362735	0.099348	0.0027
7211 1233310		124.75	-28.201	13.793	0.5566370	0.076438	
7211 1233325	0.5697	124.90	-28.113	12.949	0.5715691	0.053556	-0.0019
7211 1233355	0.5898	125.18	-27.920	11.265	0.5875317	0.017831	0.0023
7211 1233410		125.33	-27.817	10.426	0.5901029	0.004995	
7211 1233425	0.5893	125.46	-27.708	9.589	0.5899692	-0.006155	-0.0007
7211 1233455	0.5794	125.74	-27.476	7.919	0.5819741	-0.028485	-0.0026
7211 1233510		125.88	-27.352	7.088	0.5741044	-0.039666	
7211 1233525	0.5672	126.02	-27.224	6.258	0.5637102	-0.050230	0.0035
7211 1233555	0.5348	126.29	-26.952	4.605	0.5362967	-0.067711	-0.0015
7211 1233610		126.43	-26.810	3.781	0.5198367	-0.074626	
7211 1233625	0.5013	126.55	-26.662	2.960	0.5018058	-0.082042	-0.0005
7211 1233655	0.4604	126.82	-26.353	1.324	0.4592962	-0.103603	0.0011
7211 1233710		126.95	-26.192	0.510	0.4337783	-0.117751	
7211 1233725	0.4043	127.07	-26.026	-0.302	0.4049571	-0.131614	-0.0007
7211 1233820	0.2796	127.53	-25.380	-3.258	0.2794621	-0.158653	0.0001
7211 1233847		127.76	-25.035	-4.723	0.2120932	-0.158132	
7211 1233915	0.1451	127.97	-24.676	-6.179	0.1452262	-0.160422	-0.0062
7211 12340 0		128.32	-24.059	-8.544	0.0239584	-0.196486	
7211 1234045	-0.1222	128.65	-23.407	-10.884	-0.1252276	-0.225239	0.0030
7211 1234115	-0.2353	128.87	-22.953	-12.431	-0.2275558	-0.213992	-0.0077
7211 1234130		128.98	-22.720	-13.200	-0.2753686	-0.199244	
7211 1234145	-0.3133	129.08	-22.484	-13.967	-0.3192728	-0.180966	0.0060
7211 1234215	-0.3920	129.28	-22.001	-15.492	-0.3938952	-0.141653	0.0019
7211 1234230		129.39	-21.754	-16.250	-0.4241800	-0.120578	
7211 1234245	-0.4547	129.48	-21.504	-17.006	-0.4494771	-0.098377	-0.0052
7211 1234315	-0.4820	129.67	-20.994	-18.509	-0.4839391	-0.050036	0.0019
7211 1234330		129.77	-20.734	-19.257	-0.4924976	-0.023896	
7211 1234345	-0.4941	129.85	-20.471	-20.002	-0.4949114	0.003022	0.0008
7211 1234415	-0.4818	130.03	-19.935	-21.485	-0.4809592	0.057579	-0.0008
7211 1234430		130.12	-19.663	-22.222	-0.4644820	0.085219	
7211 1234445	-0.4406	130.20	-19.388	-22.957	-0.4418025	0.110426	0.0012
7211 1234515	-0.3842	130.36	-18.829	-24.418	-0.3819338	0.145521	-0.0023
7211 1234530		130.44	-18.545	-25.145	-0.3471020	0.155410	
7211 1234545	-0.3087	130.51	-18.258	-25.870	-0.3103207	0.163522	0.0016
7211 1234615	-0.2301	130.66	-17.677	-27.312	-0.2302455	0.184398	0.0001
7211 1234630		130.74	-17.383	-28.029	-0.1862354	0.197164	
7211 1234645	-0.1397	130.80	-17.086	-28.745	-0.1392538	0.209475	-0.0004
7211 12350 5		131.56	-12.913	-38.070	0.5085197	0.138529	
7211 1235325	0.5711	131.94	-8.426	-47.074	0.5710757	0.071277	0.0000
7211 1235810		131.89	-1.718	-59.567	0.0891156	-0.094465	
7211 2 0 255	-0.0938	131.09	5.074	-71.979	-0.0943791	-0.006026	0.0006
7211 2 0 325	-0.0990	130.97	5.781	-73.296	-0.0963241	-0.002586	-0.0027
7211 2 0 340		130.91	6.133	-73.955	-0.0967657	-0.001285	
7211 2 0 355	-0.0930	130.83	6.485	-74.615	-0.0968806	0.000495	0.0039
7211 2 0 425	-0.0972	130.70	7.186	-75.939	-0.0951618	0.007778	-0.0020
7211 2 0 440		130.63	7.534	-76.602	-0.0927538	0.013282	
7211 2 0 455	-0.0890	130.55	7.883	-77.267	-0.0890431	0.018624	0.0000
7211 2 0 525	-0.0788	130.40	8.576	-78.600	-0.0788157	0.024643	0.0000
7211 2 0 540		130.33	8.920	-79.267	-0.0730163	0.025318	
7211 2 0 555	-0.0659	130.23	9.264	-79.937	-0.0678058	0.026537	0.0012
7211 2 0 625	-0.0549	130.07	9.948	-81.280	-0.0528634	0.036838	-0.0020
7211 2 0 640		129.99	10.288	-81.953	-0.0433548	0.045944	
7211 2 0 655	-0.0314	129.89	10.626	-82.629	-0.0316654	0.054896	0.0003
7211 2 0 725	-0.0009	129.71	11.299	-83.984	-0.0037599	0.064042	0.0029
7211 2 0 740		129.63	11.633	-84.664	0.0111088	0.064230	

7211 2 0 755	0.0229	129.52	11.966	-85.346	0.0258416	0.063737	-0.0029
7211 2 0 840	0.0729	129.23	12.955	-87.402	0.0719048	0.071638	0.0010
7211 2 0 9 7		129.05	13.551	-88.666	0.1045468	0.083403	
7211 2 0 935	0.1417	128.85	14.141	-89.938	0.1418421	0.090497	-0.0001
7211 2 01055		128.27	15.818	-93.674	0.2275890	0.028222	
7211 2 01215	0.2058	127.63	17.433	-97.476	0.2057989	-0.047554	0.0000
7211 2 01245	0.1825	127.38	18.020	-98.919	0.1825004	-0.051115	0.0000

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172.4752, 116.9491
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TSIATE = 1654.746, 105.7004, -849.7101, 0.2428934
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TRANSB = 0.0000000E+00,
GM = 4902.780
ERAD = 397401.2
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ROTR = 8.9400001E-03,
DTFIT = 0.2000000
CONCAC = 1.083000
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YYMMDDHHMMSS	Hz	Ka	Deg.	Deg.	Hz	mm/s**2	Hz
7211 2 31525	-0.2053	113.67	-21.931	68.989	-0.2053010	0.021441	0.0000
7211 2 31720	-0.1841	114.70	-23.742	62.996	-0.1836770	-0.025940	-0.0004
7211 2 31737		114.86	-23.997	62.070	-0.1935934	-0.048371	
7211 2 31755	-0.2072	115.02	-24.246	61.142	-0.2095759	-0.069071	0.0024
7211 2 31825	-0.2486	115.30	-24.661	59.542	-0.2464848	-0.087154	-0.0021
7211 2 31840		115.45	-24.862	58.738	-0.2667977	-0.087953	
7211 2 31855	-0.2900	115.59	-25.059	57.932	-0.2867634	-0.084497	-0.0032
7211 2 31940	-0.3314	116.02	-25.622	55.498	-0.3369982	-0.056064	0.0056
7211 2 32017		116.39	-26.061	53.454	-0.3574468	-0.011672	
7211 2 32055	-0.3525	116.76	-26.471	51.397	-0.3500421	0.034928	-0.0025
7211 2 32355		116.56	-28.013	41.349	-0.1447802	0.057916	
7211 2 32655	-0.0535	120.40	-28.811	31.102	-0.0520398	0.056148	-0.0015
7211 2 32740	0.0072	120.86	-28.889	28.525	0.0009633	0.099869	0.0062
7211 2 32810		121.17	-28.915	26.807	0.0557563	0.138885	
7211 2 32840	0.1223	121.47	-28.919	25.088	0.1203632	0.172662	-0.0061
7211 2 33017		122.46	-28.781	19.511	0.4000404	0.157609	
7211 2 33155	0.5642	123.42	-28.417	13.966	0.5544269	0.048776	0.0098
7211 2 33225	0.5618	123.71	-28.260	12.270	0.5693712	0.016021	-0.0076
7211 2 33240		123.85	-28.174	11.425	0.5711924	-0.000225	
7211 2 33255	0.5638	124.00	-28.083	10.580	0.5693858	-0.014919	-0.0056
7211 2 33325	0.5633	124.28	-27.885	8.897	0.5573456	-0.035220	0.0060
7211 2 33342		124.45	-27.760	7.917	0.5469249	-0.041471	
7211 2 334 0	0.5326	124.61	-27.628	6.941	0.5350672	-0.047071	-0.0025
7211 2 33435	0.5092	124.94	-27.345	4.996	0.5049213	-0.066749	0.0043
7211 2 33450		125.08	-27.215	4.165	0.4881769	-0.078644	
7211 2 335 5	0.4648	125.21	-27.081	3.337	0.4685763	-0.091023	-0.0038
7211 2 33535	0.4214	125.49	-26.798	1.687	0.4214298	-0.112482	0.0000
7211 2 33555		125.66	-26.598	0.592	0.3849238	-0.124346	
7211 2 33615	0.3471	125.84	-26.391	-0.499	0.3450339	-0.134770	0.0021
7211 2 33655	0.2543	126.19	-25.951	-2.668	0.2563083	-0.152889	-0.0020
7211 2 33710		126.32	-25.778	-3.477	0.2203364	-0.158743	
7211 2 33725	0.1844	126.45	-25.601	-4.284	0.1829906	-0.164970	0.0014
7211 2 33755	0.1027	126.70	-25.233	-5.889	0.1032768	-0.181186	-0.0006

7211 2 33810		126.82	-25.042	-6.688	0.0603310	-0.191173
7211 2 33825	0.0146	126.95	-24.848	-7.485	0.0151101	-0.199928
7211 2 33855	-0.0776	127.19	-24.446	-9.069	-0.0792271	-0.206257
7211 2 33910		127.31	-24.239	-9.858	-0.1266226	-0.203833
7211 2 33925	-0.1751	127.43	-24.028	-10.643	-0.1732373	-0.200171
7211 2 33955	-0.2634	127.66	-23.595	-12.207	-0.2646362	-0.196603
7211 2 34010		127.77	-23.372	-12.984	-0.3099984	-0.196696
7211 2 34025	-0.3559	127.88	-23.146	-13.759	-0.3552046	-0.193641
7211 2 34055	-0.4387	128.11	-22.682	-15.301	-0.4391321	-0.164904
7211 2 34110		128.21	-22.444	-16.067	-0.4743735	-0.139227
7211 2 34125	-0.5031	128.32	-22.203	-16.831	-0.5032105	-0.110973
7211 2 34155	-0.5431	128.53	-21.711	-18.351	-0.5427004	-0.061703
7211 2 34210		128.63	-21.460	-19.107	-0.5544693	-0.040684
7211 2 34225	-0.5626	128.74	-21.205	-19.860	-0.5615072	-0.019991
7211 2 34255	-0.5573	128.83	-20.686	-21.359	-0.5602478	0.026607
7211 2 34310		129.03	-20.422	-22.104	-0.5511513	0.052510
7211 2 34325	-0.5372	129.13	-20.155	-22.846	-0.5361630	0.076339
7211 2 34355	-0.4954	129.31	-19.611	-24.324	-0.4931005	0.106270
7211 2 34410		129.40	-19.334	-25.058	-0.4677554	0.112376
7211 2 34425	-0.4398	129.49	-19.055	-25.790	-0.4414596	0.115349
7211 2 34850		130.78	-13.704	-38.335	0.0520812	0.107717
7211 2 35315	0.3038	131.49	-7.762	-50.282	0.3070388	0.004395
7211 2 35345	0.3142	131.53	-7.065	-51.607	0.3052783	-0.012188
7211 2 354 0		131.55	-6.714	-52.269	0.3014697	-0.020852
7211 2 35415	0.2855	131.57	-6.363	-52.929	0.2957838	-0.027795
7211 2 35445	0.2879	131.59	-5.659	-54.247	0.2817329	-0.030613
7211 2 355 0		131.60	-5.305	-54.905	0.2750714	-0.026487
7211 2 35515	0.2703	131.61	-4.951	-55.562	0.2694466	-0.023109
7211 2 35545	0.2506	131.62	-4.241	-56.874	0.2575449	-0.031906
7211 2 356 0		131.63	-3.885	-57.529	0.2488743	-0.044081
7211 2 35615	0.2431	131.63	-3.529	-58.183	0.2370375	-0.058286
7211 2 35645	0.2043	131.62	-2.815	-59.491	0.2041747	-0.083327
7211 2 357 0		131.62	-2.457	-60.144	0.1836673	-0.094162
7211 2 35715	0.1583	131.61	-2.099	-60.797	0.1607778	-0.104010
7211 2 35745	0.1083	131.59	-1.383	-62.101	0.1086692	-0.121157
7211 2 358 0		131.57	-1.024	-62.753	0.0798424	-0.128456
7211 2 35815	0.0513	131.56	-0.666	-63.405	0.0494287	-0.134908
7211 2 35845	-0.0153	131.52	0.052	-64.709	0.0153807	-0.145284
7211 2 359 0		131.50	0.411	-65.361	-0.0493872	-0.149208
7211 2 35915	-0.0869	131.48	0.770	-66.013	-0.0840569	-0.150400
7211 2 35945	-0.1472	131.43	1.487	-67.317	-0.1515561	-0.138926
7211 2 4 0 0		131.40	1.846	-67.969	-0.1822527	-0.126260
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7211 2 4 045	-0.2508	131.30	2.919	-69.929	-0.2514643	-0.069770
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7211 2 8 435	-0.0747	130.57	9.169	-83.688	-0.0759712	0.033213	0.0013
7211 2 8 450		130.52	9.512	-84.358	-0.0678631	0.037374	
7211 2 8 5 5	-0.0606	130.46	9.854	-85.029	-0.0586286	0.042675	-0.0020
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7211 2 8 550		130.27	10.871	-87.052	-0.0232655	0.059739	
7211 2 8 6 5	-0.0123	130.20	11.207	-87.730	-0.0088957	0.064305	-0.0034
7211 2 8 635	0.0208	130.06	11.875	-89.090	0.0213806	0.064970	-0.0006
7211 2 8 650		129.99	12.206	-89.772	0.0359840	0.061068	
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7211 2 81035	0.0720	128.72	16.953	-100.244	0.0705426	0.052419	0.0015
7211 2 81050		128.63	17.252	-100.960	0.0845232	0.068553	
7211 2 811 5	0.1030	128.53	17.548	-101.678	0.1021990	0.084782	0.0008
7211 2 81135	0.1490	128.33	18.133	-103.121	0.1493943	0.120362	-0.0004
7211 2 81150		128.22	18.422	-103.846	0.1793959	0.139714	
7211 2 812 5	0.2136	128.12	18.708	-104.574	0.2138729	0.158757	-0.0003
7211 2 81235	0.2953	127.91	19.271	-106.037	0.2950717	0.191897	0.0002
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7211 2145818	0.1925	108.47	-1.788	106.503	0.1924755	0.063650	0.0000
7211 2145918	0.1771	108.48	-3.254	103.823	0.1777604	-0.038983	-0.0007
7211 2145948		108.49	-3.984	102.481	0.1740218	0.036928	
7211 215 018	0.2175	108.51	-4.713	101.137	0.2145187	0.130175	0.0030
7211 215 118	0.3605	108.58	-6.161	98.440	0.3668424	0.166348	-0.0063
7211 215 148		108.63	-6.880	97.086	0.4323904	0.169251	
7211 215 218	0.4706	108.68	-7.595	95.728	0.4633467	0.023695	0.0073
7211 215 248		108.74	-8.306	94.366	0.4532165	-0.068713	

7211 215 318	0.3991	108.81	-9.013	92.999	0.4018678	-0.148377	-0.0028
7211 215 418	0.2214	108.97	-10.410	90.249	0.2260716	-0.210875	-0.0047
7211 215 448		109.06	-11.100	88.865	0.1314267	-0.193694	
7211 215 518	0.0576	109.16	-11.784	87.475	0.0496289	-0.160858	0.0080
7211 215 548		109.27	-12.460	86.078	-0.0172476	-0.128977	
7211 215 618	-0.0731	109.39	-13.130	84.674	-0.0703340	-0.102740	-0.0028
7211 215 718	-0.1589	109.64	-14.445	81.843	-0.1520783	-0.081193	-0.0068
7211 215 748		109.77	-15.090	80.416	-0.1902553	-0.085888	
7211 215 818	-0.2198	109.92	-15.726	78.980	-0.2310753	-0.088580	0.0113
7211 215 848		110.07	-16.353	77.536	-0.2698419	-0.076949	
7211 215 918	-0.3065	110.22	-16.970	76.083	-0.3012417	-0.059557	-0.0053
7211 2151018	-0.3493	110.56	-18.171	73.148	-0.3431805	-0.033144	-0.0061
7211 2151048		110.74	-18.755	71.667	-0.3562948	-0.024125	
7211 2151118	-0.3520	110.92	-19.328	70.175	-0.3639656	-0.005411	0.0120
7211 2151148		111.11	-19.888	68.673	-0.3578725	0.035503	
7211 2151218	-0.3387	111.30	-20.435	67.162	-0.3318008	0.072429	-0.0069
7211 2151318	-0.2669	111.71	-21.489	64.107	-0.2633082	0.055822	-0.0036
7211 2151348		111.93	-21.996	62.564	-0.2487349	0.002275	
7211 2151418	-0.2516	112.14	-22.488	61.011	-0.2611327	-0.058814	0.0095
7211 2151448		112.37	-22.964	59.447	-0.2908790	-0.072855	
7211 2151518	-0.3322	112.60	-23.426	57.873	-0.3253354	-0.074962	-0.0069
7211 2151618	-0.3869	113.07	-24.300	54.693	-0.3870165	-0.052771	0.0001
7211 2151648		113.32	-24.713	53.088	-0.4061108	-0.028468	
7211 2151718	-0.4090	113.56	-25.108	51.472	-0.4129183	-0.001654	0.0039
7211 2151748		113.82	-25.485	49.847	-0.4082152	0.021387	
7211 2151818	-0.3968	114.07	-25.845	48.213	-0.3938628	0.039900	-0.0029
7211 2151918	-0.3460	114.60	-26.508	44.916	-0.3456601	0.064963	-0.0003
7211 2151948		114.87	-26.811	43.255	-0.3167159	0.063522	
7211 2152018	-0.2846	115.14	-27.095	41.586	-0.2871232	0.065324	0.0025
7211 2152048		115.41	-27.359	39.909	-0.2558121	0.070934	
7211 2152118	-0.2242	115.69	-27.603	38.225	-0.2213508	0.078334	-0.0028
7211 2152218	-0.1400	116.26	-28.029	34.837	-0.1424255	0.092470	0.0024
7211 2152248		116.54	-28.211	33.135	-0.0981651	0.099286	
7211 2152318	-0.0524	116.83	-28.372	31.427	-0.0505120	0.107965	-0.0019
7211 2152348		117.12	-28.512	29.716	-0.0021843	0.121000	
7211 2152418	0.0624	117.42	-28.630	28.000	0.0614545	0.135600	0.0009
7211 2152518	0.1992	118.01	-28.802	24.562	0.1989182	0.161387	0.0003
7211 2152549		118.31	-28.857	22.782	0.1787115	0.172927	
7211 2152620	0.3618	118.62	-28.888	21.002	0.3626468	0.176583	-0.0008
7211 2152652		118.93	-28.896	19.192	0.4460647	0.165067	
7211 2152723	0.5209	119.25	-28.880	17.384	0.5207297	0.141483	0.0002
7211 2152823	0.6227	119.85	-28.784	13.944	0.6215335	0.071348	0.0012
7211 2152853		120.15	-28.703	12.229	0.6438336	0.023690	
7211 2152923	0.6425	120.45	-28.601	10.516	0.6444259	-0.018129	-0.0019
7211 2152953		120.75	-28.477	8.808	0.6300462	-0.040978	
7211 2153023	0.6094	121.05	-28.332	7.105	0.6078942	-0.055334	0.0015
7211 2153123	0.5407	121.64	-27.980	3.715	0.5412144	-0.090538	-0.0005
7211 2153153		121.94	-27.774	2.030	0.4946911	-0.111386	
7211 2153223	0.4383	122.23	-27.547	0.352	0.4383821	-0.132111	-0.0001
7211 2153253		122.52	-27.300	-1.318	0.3730791	-0.150413	
7211 2153323	0.2998	122.81	-27.034	-2.980	0.2998464	-0.166435	0.0000
7211 2153423	0.1342	123.39	-26.444	-6.277	0.1336863	-0.192037	0.0005
7211 2153453		123.67	-26.121	-7.912	0.0427434	-0.201618	
7211 2153523	-0.0532	123.96	-25.788	-9.537	-0.0521679	-0.209167	-0.0018
7211 2153553		124.23	-25.421	-11.152	-0.1500973	-0.214794	
7211 2153623	-0.2475	124.51	-25.045	-12.757	-0.2493489	-0.212937	0.0018
7211 2153723	-0.4331	125.05	-24.242	-15.835	-0.4301958	-0.170680	-0.0029
7211 2153753		125.32	-23.817	-17.508	-0.4997491	-0.129087	
7211 2153823	-0.5454	125.58	-23.375	-19.070	-0.5485163	-0.082439	0.0031
7211 2153853		125.84	-22.919	-20.621	-0.5761446	-0.037554	
7211 2153923	-0.5854	126.09	-22.448	-22.161	-0.5839593	0.002327	-0.0014
7211 2154023	-0.5552	126.59	-21.463	-25.208	-0.5539033	0.057259	-0.0013
7211 2154053		126.82	-20.950	-26.715	-0.5236777	0.072316	
7211 2154123	-0.4836	127.06	-20.425	-28.212	-0.4863888	0.092232	0.0028
7211 2154153		127.29	-19.887	-29.698	-0.4357497	0.130125	
7211 2154223	-0.3677	127.52	-19.336	-31.173	-0.3658264	0.170611	-0.0019

7211	2154323	-0.1849	127.95	-18.202	-34.093	-0.1847138	0.213139	-0.0002
7211	2154353		128.16	-17.618	-35.538	-0.0853582	0.215187	
7211	2154423	0.0123	128.37	-17.025	-36.974	0.0110543	0.198216	0.0012
7211	2154453		128.56	-16.421	-38.399	0.0937877	0.156026	
7211	2154523	0.1540	128.76	-15.808	-39.816	0.1543129	0.108598	-0.0003
7211	2154623	0.2251	129.13	-14.556	-42.623	0.2267036	0.058042	-0.0016
7211	2154653		129.30	-13.917	-44.014	0.2522061	0.054908	
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7211	2154753		129.63	-12.618	-46.773	0.3097741	0.072977	
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7211	2155015		130.30	-9.438	-53.192	0.4421450	0.003651	
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7211	2155237		130.81	-6.148	-59.487	0.2679694	-0.142570	
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7211	21554 7	0.0702	131.05	-4.024	-63.433	0.0716233	-0.112922	-0.0014
7211	2155437		131.11	-3.311	-64.743	0.0296798	-0.065638	
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7211	2155537		131.22	-1.881	-67.357	0.0011669	-0.025571	
7211	21556 7	-0.0181	131.26	-1.164	-68.662	-0.0158106	-0.035745	-0.0023
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7211	216 437		130.78	10.807	-91.081	0.0904482	-0.043936	
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7211	216 637		130.35	13.450	-96.544	0.1481389	-0.021015	
7211	216 7 7	0.1578	130.23	14.094	-97.928	0.1589026	-0.029061	-0.0011
7211	216 737		130.09	14.729	-99.320	0.1796300	-0.064162	
7211	216 8 7	0.2206	129.96	15.357	-100.720	0.2195895	-0.107855	0.0010
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7211	2225430		108.45	1.950	109.499	0.0827781	0.219855	
7211	2225445	0.1306	108.42	1.582	108.830	0.1308832	0.196083	-0.0003
7211	2225515	0.2082	108.35	0.847	107.493	0.2077053	0.133330	0.0005
7211	2225530		108.32	0.479	106.825	0.2340817	0.094349	
7211	2225545	0.2513	108.29	0.111	106.156	0.2515993	0.059719	-0.0003
7211	2225615	0.2707	108.24	-0.625	104.820	0.2705993	0.031769	0.0001
7211	2225630		108.21	-0.992	104.151	0.2784391	0.038450	
7211	2225645	0.2881	108.19	-1.360	103.483	0.2891549	0.055578	-0.0011
7211	2225715	0.3295	108.16	-2.095	102.145	0.3265579	0.111200	0.0029
7211	2225730		108.14	-2.462	101.475	0.3565334	0.149695	
7211	2225745	0.3913	108.13	-2.829	100.806	0.3954442	0.185268	-0.0041
7211	2225815	0.4937	108.11	-3.561	99.465	0.4904183	0.217516	0.0033
7211	2225830		108.11	-3.927	98.794	0.5404956	0.214192	
7211	2225845	0.5887	108.10	-4.292	98.122	0.5881225	0.195478	0.0006
7211	2225915	0.6552	108.10	-5.020	96.776	0.6601365	0.104610	-0.0049
7211	2225930		108.10	-5.383	96.102	0.6762993	0.032456	
7211	2225945	0.6788	108.11	-5.745	95.427	0.6746255	-0.046134	0.0042
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7211	223 115	0.3559	108.17	-7.900	91.360	0.3552666	-0.328381	0.0006
7211	223 130		108.19	-8.256	90.678	0.2815983	-0.305891	
7211	223 145	0.2144	108.21	-8.610	89.995	0.2148550	-0.272842	-0.0005
7211	223 215	0.1055	108.26	-9.316	88.625	0.1263304	-0.215193	0.0029
7211	223 230		108.28	-9.667	87.938	0.0558486	-0.190594	
7211	223 245	0.0109	108.31	-10.016	87.250	0.0143742	-0.169410	-0.0035
7211	223 315	-0.0550	108.37	-10.710	85.869	-0.0562221	-0.139090	0.0012
7211	223 332		108.41	-11.113	85.060	-0.0921851	-0.128818	
7211	223 350	-0.1243	108.46	-11.513	84.250	-0.1258055	-0.120694	0.0015
7211	223 425	-0.1891	108.55	-12.306	82.622	-0.1856886	-0.100904	-0.0034
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7211	223 455	-0.2252	108.64	-12.978	81.219	-0.2279558	-0.084500	0.0028
7211	223 525	-0.2683	108.74	-13.643	79.808	-0.2681706	-0.094898	-0.0001
7211	223 540		108.79	-13.973	79.100	-0.2918873	-0.111782	
7211	223 555	-0.3195	108.84	-14.300	78.390	-0.3194424	-0.124339	-0.0001
7211	223 625	-0.3766	108.95	-14.948	76.964	-0.3738061	-0.100220	-0.0028
7211	223 640		109.01	-15.269	76.247	-0.3930295	-0.063511	
7211	223 655	-0.3976	109.07	-15.587	75.529	-0.4029657	-0.024612	0.0054
7211	223 725	-0.4074	109.20	-16.217	74.086	-0.4028101	-0.017302	-0.0046
7211	223 740		109.26	-16.529	73.361	-0.3982380	0.020293	
7211	223 755	-0.3955	109.33	-16.838	72.634	-0.3937623	0.019109	-0.0017
7211	223 825	-0.3779	109.47	-17.447	71.172	-0.3835289	0.027646	0.0056
7211	223 840		109.55	-17.748	70.438	-0.3760906	0.037374	
7211	223 855	-0.3653	109.62	-18.046	69.701	-0.3662415	0.047546	0.0009
7211	223 925	-0.3451	109.78	-18.634	68.220	-0.3410631	0.059706	-0.0040
7211	2231110		110.38	-20.596	62.959	-0.2616904	0.016217	
7211	2231255	-0.2906	111.06	-22.395	57.571	-0.3029907	-0.053914	0.0044
7211	2231325	-0.3311	111.27	-22.877	56.007	-0.3293454	-0.059158	-0.0018
7211	2231340		111.37	-23.111	55.222	-0.3430578	-0.059314	
7211	2231355	-0.3623	111.48	-23.342	54.434	-0.3564917	-0.056379	-0.0058
7211	2231425	-0.3749	111.70	-23.792	52.849	-0.3787199	-0.036887	0.0038
7211	2231440		111.81	-24.011	52.053	-0.3854135	-0.020321	
7211	2231455	-0.3863	111.93	-24.226	51.255	-0.3879951	-0.002334	0.0017
7211	2231540	-0.3765	112.28	-24.845	48.843	-0.3735173	0.041643	-0.0030
7211	22316 2		112.45	-25.140	47.629	-0.3561510	0.058006	
7211	2231625	-0.3356	112.64	-25.425	46.410	-0.3338035	0.070432	-0.0018
7211	2231655	-0.2938	112.82	-25.789	44.775	-0.2986525	0.080628	0.0049
7211	2231710		113.01	-25.965	43.954	-0.2797231	0.082992	
7211	2231725	-0.2568	113.13	-26.135	43.131	-0.2604121	0.084378	0.0036
7211	2231755	-0.2270	113.39	-26.462	41.478	-0.2208864	0.086760	-0.0061
7211	22320 0		114.50	-27.616	34.502	-0.0483705	0.091066	
7211	22322 5	0.1605	115.67	-28.415	27.410	0.1530928	0.132199	0.0074
7211	2232235	0.2116	115.96	-28.553	25.695	0.2190640	0.154382	-0.0075

7211	2232250		116.11	-28.613	24.836	0.2561840	0.167267
7211	22323 5	0.2954	116.26	-28.668	23.977	0.2962224	0.179324 -0.0008
7211	2232335	0.3828	116.55	-28.762	22.256	0.3830602	0.194973 -0.0003
7211	2232350		116.70	-28.801	21.394	0.4285585	0.198560
7211	22324 5	0.4768	116.85	-28.835	20.532	0.4744848	0.198945 0.0023
7211	2232435	0.5664	117.15	-28.885	18.808	0.5645869	0.188995 0.0018
7211	2232450		117.30	-28.902	17.945	0.6071103	0.178652
7211	22325 5	0.6435	117.45	-28.914	17.082	0.6467951	0.164751 -0.0033
7211	2232535	0.7146	117.75	-28.920	15.356	0.7145145	0.126231 0.0001
7211	2232550		117.90	-28.916	14.494	0.7408929	0.101605
7211	22326 5	0.7638	118.05	-28.905	13.631	0.7612941	0.075245 0.0025
7211	2232635	0.7820	118.36	-28.868	11.908	0.7838846	0.022650 -0.0019
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7211	22327 5	0.7811	118.66	-28.810	10.186	0.7824976	-0.026390 -0.0014
7211	2232735	0.7676	118.97	-28.729	8.468	0.7634214	-0.051741 0.0042
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7211	2232835	0.7067	119.58	-28.504	5.042	0.7095717	-0.072439 -0.0029
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7211	2233245	0.0664	122.13	-26.675	-8.967	0.0605833	-0.234504 0.0058
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7211	2233315	-0.0524	122.43	-26.364	-10.610	0.0513098	-0.249704 -0.0011
7211	2233345	-0.1698	122.73	-26.034	-12.444	0.1689377	-0.258640 -0.0009
7211	22334 0		122.88	-25.863	-13.057	0.2288761	-0.260362
7211	2233415	-0.2897	123.03	-25.687	-13.868	0.2888376	-0.258132 -0.0009
7211	2233445	-0.4013	123.32	-25.321	-15.482	0.4037128	-0.235460 0.0024
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7211	2233645	-0.6751	124.47	-23.692	-21.830	0.6745658	-0.066847 -0.0005
7211	22337 0		124.61	-23.471	-22.612	0.6886120	-0.055415
7211	2233715	-0.7016	124.75	-23.245	-23.390	0.7002396	-0.045152 -0.0014
7211	2233745	-0.7158	125.03	-22.783	-24.939	0.7157816	-0.021477 0.0000
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7211	22339 0		125.70	-21.565	-28.763	0.6964667	0.062154
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7211	22340 0		126.22	-20.529	-31.773	0.5841999	0.198102
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7211	22341 0		126.73	-19.443	-34.740	0.3333410	0.325233
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7211	2234145	-0.1009	127.09	-18.597	-36.938	0.1025410	0.324215 0.0016
7211	22342 0		127.21	-18.310	-37.666	0.0301508	0.301073
7211	2234215	0.0335	127.33	-18.020	-38.391	0.0358001	0.269374 -0.0023
7211	2234245	0.1437	127.56	-17.432	-39.833	0.1424530	0.188839 0.0012
7211	22343 0		127.68	-17.134	-40.551	0.1805179	0.140003
7211	2234315	0.2063	127.79	-16.834	-41.266	0.2073285	0.094270 -0.0010
7211	2234345	0.2376	128.01	-16.226	-42.690	0.2361553	0.038552 0.0014
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7211	2234445	0.2582	128.44	-14.983	-45.510	0.2619116	0.027911 -0.0037
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7211	22346 0		128.94	-13.383	-48.987	0.3089052	0.052300
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7211	2234645	0.3428	129.22	-12.401	-51.050	0.3437313	0.040807 -0.0009

7211	22347 0		129.31	-12.070	-51.734	0.3516551	0.027014
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7211	2234745	0.3535	129.57	-11.068	-53.776	0.3529868	-0.023836 0.0005
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7211	2235315	-0.1377	131.02	-3.399	-68.389	0.1353592	-0.006172 -0.0023
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7211	2235415	-0.1646	131.18	-1.968	-71.003	0.1618804	-0.036288 -0.0027
7211	2235430		131.22	-1.609	-71.655	0.1692348	-0.026137
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7211	2235515	-0.1737	131.32	-0.533	-73.612	0.1740948	0.010178 0.0004
7211	2235530		131.35	-0.174	-74.264	0.1706195	0.019718
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7211	2235845	-0.1424	131.54	4.476	-82.754	0.1408474	-0.003883 -0.0016
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7211	2235930		131.54	5.539	-84.725	0.1395724	0.006038
7211	2235945	-0.1392	131.54	5.892	-85.383	0.1378819	0.009003 -0.0013
7211	3 0 015	-0.1298	131.52	6.596	-86.702	0.1310793	0.022046 0.0013
7211	3 0 030		131.51	6.946	-87.363	0.1248728	0.032123
7211	3 0 045	-0.1170	131.50	7.296	-88.025	0.1161388	0.043629 -0.0009
7211	3 0 115	-0.0905	131.47	7.992	-89.352	0.0904207	0.068107 -0.0001
7211	3 0 130		131.45	8.339	-90.017	0.0732113	0.081077
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7211	3 0 215	-0.0071	131.38	9.372	-92.020	0.0050665	0.113227 -0.0020
7211	3 0 230		131.36	9.714	-92.691	0.0219553	0.120613
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7211	3 0 315	0.1088	131.26	10.732	-94.710	0.1068579	0.116743 0.0019
7211	3 0 330		131.23	11.068	-95.386	0.1325516	0.104996
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7211	3 0 415	0.2028	131.11	12.068	-97.424	0.1998877	0.103251 0.0029
7211	3 0 430		131.07	12.399	-98.106	0.2255988	0.121042
7211	3 0 445	0.2551	131.03	12.727	-98.791	0.2560480	0.142442 -0.0009
7211	3 0 515	0.3295	130.93	13.379	-100.165	0.3306317	0.179343 -0.0011
7211	3 0 530		130.89	13.702	-100.855	0.3738582	0.194843
7211	3 0 545	0.4222	130.83	14.024	-101.547	0.4205543	0.209919 0.0016
7211	3 0 615	0.5244	130.72	14.660	-102.937	0.5250325	0.243427 -0.0006
7211	3 0 630		130.67	14.976	-103.634	0.5833310	0.261859
7211	3 0 645	0.6457	130.61	15.289	-104.334	0.6458814	0.279691 -0.0002
7211	3 0 715	0.7822	130.49	15.909	-105.741	0.7819939	0.308403 0.0002
7211	3 0 730		130.42	16.216	-106.447	0.8544858	0.319281
7211	3 0 745	0.9298	130.35	16.520	-107.156	0.9298479	0.335984 0.0000
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7211 3 65455	-0.2396	108.22	-0.521	101.179	-0.2395995	0.261405	0.0000
7211 3 65525	-0.0588	108.16	-1.256	99.842	-0.0588148	0.465433	0.0000
7211 3 65540		108.13	-1.624	99.173	0.0473870	0.440735	
7211 3 65555	0.1413	108.11	-1.991	98.504	0.1413903	0.373522	-0.0001
7211 3 65625	0.2833	108.06	-2.725	97.165	0.2825226	0.237507	0.0008
7211 3 65640		108.04	-3.092	96.494	0.3294122	0.168705	
7211 3 65655	0.3571	108.02	-3.458	95.824	0.3601365	0.096379	-0.0030
7211 3 65725	0.3735	107.99	-4.188	94.481	0.3677565	-0.067687	0.0057
7211 3 65740		107.98	-4.553	93.808	0.3416709	-0.159424	
7211 3 65755	0.2893	107.97	-4.917	93.135	0.2950893	-0.238953	-0.0058
7211 3 65825	0.1675	107.95	-5.642	91.787	0.1647185	-0.305192	0.0028
7211 3 65840		107.95	-6.004	91.111	0.0952136	-0.291918	
7211 3 65855	0.0322	107.95	-6.365	90.435	0.0313093	-0.260935	0.0009
7211 3 65925	-0.0758	107.95	-7.084	89.079	-0.0724446	-0.185542	-0.0034
7211 3 65940		107.95	-7.442	88.400	-0.1102312	-0.141135	
7211 3 65955	-0.1343	107.96	-7.799	87.719	-0.1377366	-0.098477	0.0034
7211 3 7 025	-0.1691	107.98	-8.510	86.355	-0.1678169	-0.037162	-0.0013
7211 3 7 040		107.99	-8.864	85.671	-0.1740872	-0.018502	
7211 3 7 055	-0.1785	108.01	-9.216	84.985	-0.1768443	-0.006155	-0.0017
7211 3 7 125	-0.1727	108.05	-9.917	83.610	-0.1764840	0.004625	0.0038
7211 3 7 140		108.07	-10.266	82.921	-0.1755080	0.003060	
7211 3 7 155	-0.1789	108.09	-10.613	82.230	-0.1753785	-0.002495	-0.0035
7211 3 7 225	-0.1792	108.14	-11.302	80.843	-0.1808957	-0.023634	0.0017
7211 3 7 240		108.17	-11.644	80.147	-0.1880847	-0.039216	
7211 3 7 255	-0.2002	108.21	-11.985	79.450	-0.1988114	-0.052326	-0.0014
7211 3 7 325	-0.2224	108.27	-12.661	78.049	-0.2245547	-0.053666	0.0022
7211 3 7 340		108.31	-12.996	77.346	-0.2357429	-0.041899	
7211 3 7 355	-0.2448	108.35	-13.329	76.642	-0.2435713	-0.025885	-0.0012
7211 3 7 6 5		108.78	-16.130	70.450	-0.1207117	0.121194	
7211 3 7 815	0.1165	109.36	-18.747	64.091	0.1159515	0.080235	0.0005
7211 3 7 845	0.1382	109.51	-19.321	62.598	0.1387971	0.015262	-0.0006
7211 3 7 9 0		109.59	-19.604	61.847	0.1377696	-0.025032	
7211 3 7 915	0.1283	109.67	-19.883	61.094	0.1274471	-0.062640	0.0009
7211 3 7 945	0.0848	109.84	-20.432	59.580	0.0868615	-0.106126	-0.0021
7211 3 710 0		109.92	-20.701	58.820	0.0614815	-0.112004	
7211 3 71015	0.0366	110.01	-20.967	58.056	0.0356408	-0.111522	0.0010
7211 3 71045	-0.0119	110.19	-21.490	56.522	-0.0144698	-0.104128	0.0026
7211 3 711 0		110.29	-21.745	55.750	-0.0377500	-0.097215	
7211 3 71115	-0.0634	110.38	-21.997	54.976	-0.0592382	-0.088823	-0.0042
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7211 3 712 0		110.68	-22.732	52.639	-0.1107590	-0.058744	
7211 3 71215	-0.1231	110.78	-22.969	51.854	-0.1229665	-0.046785	-0.0001
7211 3 71245	-0.1402	110.99	-23.432	50.277	-0.1382822	-0.018619	-0.0019
7211 3 713 0		111.09	-23.657	49.485	-0.1407368	-0.002412	
7211 3 71315	-0.1364	111.20	-23.879	48.690	-0.1393959	0.013792	0.0030
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7211 3 716 0		112.48	-26.032	39.777	-0.0617208	-0.006737	
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7211 3 71645	-0.0587	112.86	-26.524	37.297	-0.0618771	0.008137	0.0032
7211 3 717 0		112.99	-26.678	36.466	-0.0591652	0.015564	
7211 3 71715	-0.0581	113.12	-26.828	35.632	-0.0546441	0.023606	-0.0035
7211 3 71745	-0.0387	113.38	-27.112	33.960	-0.0400353	0.039676	0.0013
7211 3 718 0		113.51	-27.247	33.121	-0.0299439	0.047704	
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7211 3 71845	0.0071	113.92	-27.622	30.592	0.0131872	0.079425	-0.0061
7211 3 719 0		114.06	-27.736	29.745	0.0331015	0.093396	
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7211 3 720 0		114.62	-28.143	26.345	0.1594027	0.193919	
7211 3 72015	0.2044	114.76	-28.231	25.491	0.2079497	0.225359	-0.0035
7211 3 72225		116.03	-28.774	18.049	0.6962909	0.162636	
7211 3 72435	0.7586	117.35	-28.909	10.569	0.7531306	-0.058419	0.0055
7211 3 725 5	0.7110	117.66	-28.882	8.844	0.7231233	-0.069049	-0.0121
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7211 3 73020		120.96	-27.305	-9.030	-0.0523504	-0.258134	
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7211 3111015	-0.2593	110.02	-21.627	54.173	-0.2584491	-0.055908	-0.0009	7211 3113425	-0.9981	123.84	-24.042	-26.292	-0.9952773	-0.065386	-0.0028
7211 3111045	-0.2771	110.22	-22.131	52.624	-0.2802316	-0.037480	0.0031	7211 3113440		123.99	-23.827	-27.079	-1.0080314	-0.044685	
7211 31111 0		110.32	-22.378	51.846	-0.2875954	-0.026076		7211 3113455	-1.0137	124.14	-23.608	-27.862	-1.0154988	-0.018651	0.0018
7211 3111115	-0.2950	110.42	-22.620	51.065	-0.2920842	-0.012253	-0.0029	7211 3113525	-1.0063	124.44	-23.158	-29.420	-1.0076343	0.058231	0.0013
7211 3111145	-0.2892	110.63	-23.095	49.496	-0.2895416	0.025518	0.0003	7211 3113540		124.58	-22.927	-30.196	-0.9884768	0.109088	
7211 311112 0		110.73	-23.326	48.707	-0.2809520	0.049466		7211 3113555	-0.9591	124.73	-22.693	-30.968	-0.9567618	0.166609	-0.0023
7211 31111215	-0.2657	110.84	-23.553	47.916	-0.2869052	0.070803	0.0012	7211 3113625	-0.8500	125.02	-22.213	-32.504	-0.8505254	0.297016	0.0005
7211 3111245	-0.2295	111.06	-23.996	46.325	-0.2289954	0.087691	-0.0005	7211 3113640		125.16	-21.968	-33.269	-0.7736288	0.369906	
7211 31113 0		111.17	-24.211	45.526	-0.2091009	0.083242		7211 3113655	-0.6791	125.31	-21.720	-34.030	-0.6802577	0.436229	0.0012
7211 3111315	-0.1923	111.29	-24.421	44.724	-0.1909333	0.073995	-0.0014	7211 3113725	-0.4596	125.59	-21.213	-35.544	-0.4580266	0.514351	-0.0016
7211 3111345	-0.1580	111.52	-24.830	43.113	-0.1615776	0.052508	0.0036	7211 3113740		125.72	-20.954	-36.298	-0.3375543	0.526133	
7211 31114 0		111.64	-25.028	42.304	-0.1508503	0.040267		7211 3113755	-0.2149	125.87	-20.693	-37.048	-0.2164217	0.521017	0.0015
7211 3111415	-0.1485	111.76	-25.222	41.492	-0.1428914	0.029270	-0.0056	7211 3113825	0.0122	126.14	-20.160	-38.541	0.0133557	0.463975	-0.0012
7211 3111445	-0.1264	112.01	-25.596	39.861	-0.1325776	0.017733	0.0062	7211 3113840		126.27	-19.888	-39.283	0.1147898	0.412033	
7211 31115 0		112.13	-25.776	39.042	-0.1286134	0.017194		7211 3113855	0.2028	126.41	-19.614	-40.023	0.2028552	0.350569	-0.0001
7211 3111515	-0.1278	112.26	-25.951	38.221	-0.1244017	0.019745	-0.0034	7211 3113925	0.3360	126.68	-19.057	-41.494	0.3344415	0.217134	0.0016
7211 3111545	-0.1133	112.51	-26.288	36.571	-0.1126553	0.032938	-0.0036	7211 3113940		126.80	-18.774	-42.226	0.3763350	0.145160	
7211 31116 0		112.64	-26.450	35.743	-0.1038756	0.043579		7211 3113955	0.4003	126.94	-18.489	-42.955	0.4020594	0.080919	-0.0018
7211 3111615	-0.0923	112.77	-26.606	34.913	-0.0924781	0.054970	0.0002	7211 3114025	0.4206	127.19	-17.910	-44.406	0.4199315	0.009102	0.0007
7211 3111645	-0.0590	113.03	-26.905	33.246	-0.0624854	0.074161	0.0035	7211 3114040		127.31	-17.616	-45.128	0.4207968	0.001544	
7211 31117 0		113.16	-27.047	32.409	-0.0444428	0.081961		7211 3114055	0.4216	127.44	-17.320	-45.847	0.4214944	0.005033	0.0001
7211 3111715	-0.0267	113.30	-27.184	31.571	-0.0245335	0.091218	-0.0022	7211 3114125	0.4270	127.69	-16.720	-47.279	0.4271452	0.021571	-0.0001
7211 3111745	0.0205	113.58	-27.443	29.888	0.0240683	0.122065	-0.0036	7211 3114140		127.80	-16.417	-47.991	0.4335717	0.034625	
7211 31118 0		113.71	-27.565	29.044	0.0545687	0.143655		7211 3114155	0.4433	127.93	-16.111	-48.701	0.4430470	0.046601	0.0003
7211 3111815	0.0949	113.85	-27.682	28.199	0.0904196	0.165616	0.0045	7211 3114225	0.4669	128.16	-15.492	-50.114	0.4672213	0.054567	-0.0003
7211 3111845	0.1753	114.13	-27.901	26.502	0.1752049	0.199428	0.0001	7211 3114240		128.27	-15.180	-50.817	0.4794596	0.050551	
7211 31119 0		114.27	-28.002	25.652	0.2226737	0.211280		7211 3114255	0.4896	128.39	-14.865	-51.518	0.4902699	0.042762	-0.0007
7211 3111915	0.2704	114.42	-28.098	24.800	0.2725417	0.220441	-0.0021	7211 3114325	0.5078	128.61	-14.230	-52.914	0.5052193	0.020519	0.0026
7211 3111945	0.3773	114.71	-28.275	23.093	0.3774602	0.232724	-0.0002	7211 3114340		128.71	-13.909	-53.609	0.5083309	0.006063	
7211 31120 0		114.85	-28.355	22.237	0.4315813	0.235846		7211 3114355	0.5037	128.83	-13.586	-54.301	0.5077852	-0.011438	-0.0041
7211 3112015	0.4883	115.00	-28.430	21.380	0.4861279	0.236138	0.0022	7211 3114425	0.4965	129.04	-12.936	-55.681	0.4923298	-0.058105	0.0042
7211 3112045	0.5914	115.30	-28.564	19.664	0.5933194	0.225785	-0.0019	7211 3114440		129.13	-12.608	-56.368	0.4756209	-0.087274	
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7211 3112115	0.6928	115.60	-28.676	17.944	0.6924126	0.201474	0.0004	7211 3114525	0.3889	129.44	-11.614	-58.418	0.3897805	-0.150689	-0.0009
7211 3112145	0.7789	115.90	-28.767	16.221	0.7778329	0.166973	0.0011	7211 3114540		129.53	-11.279	-59.099	0.3539521	-0.158544	
7211 31122 0		116.05	-28.804	15.359	0.8140179	0.146135		7211 3114555	0.3201	129.63	-10.943	-59.777	0.3170340	-0.160554	0.0031
7211 3112215	0.8441	116.20	-28.836	14.496	0.8450518	0.122062	-0.0010	7211 3114625	0.2417	129.81	-10.267	-61.128	0.2446963	-0.149453	-0.0030
7211 3112245	0.8883	116.51	-28.882	12.770	0.8880939	0.061676	0.0002	7211 3114640		129.89	-9.926	-61.802	0.2116052	-0.136338	
7211 31123 0		116.66	-28.898	11.907	0.8982184	0.025363		7211 3114655	0.1824	129.99	-9.585	-62.474	0.1820407	-0.119452	0.0004
7211 3112315	0.8981	116.82	-28.908	11.043	0.9000959	-0.007149	-0.0020	7211 3114725	0.1386	130.16	-8.898	-63.814	0.1360434	-0.078132	0.0026
7211 3112345	0.8927	117.13	-28.911	9.317	0.8880786	-0.037121	0.0046	7211 3114740		130.23	-8.553	-64.483	0.1207758	-0.053695	
7211 31124 0		117.28	-28.904	8.454	0.8795781	-0.034581		7211 3114755	0.1100	130.33	-8.207	-65.149	0.1111511	-0.030564	-0.0012
7211 3112415	0.8693	117.44	-28.892	7.591	0.8723214	-0.029338	-0.0030	7211 3114825	0.1014	130.48	-7.511	-66.479	0.1049718	0.000391	-0.0036
7211 3112535		118.28	-28.735	2.998	0.8064478	-0.107432		7211 3114840		130.55	-7.162	-67.143	0.1060632	0.008212	
7211 3112655	0.5972	119.13	-28.425	-1.570	0.5944144	-0.218178	0.0028	7211 3114855	0.1134	130.63	-6.812	-67.805	0.1082697	0.009627	0.0051
7211 3112725	0.4860	119.45	-28.270	-3.274	0.4902264	-0.230510	-0.0042	7211 3114925	0.1070	130.77	-6.109	-69.126	0.1092218	-0.018635	-0.0022
7211 3112740		119.61	-28.185	-4.124	0.4369035	-0.230703		7211 3114940		130.83	-5.756	-69.786	0.1044108	-0.032321	
7211 3112755	0.3847	119.77	-28.094	-4.972	0.3836761	-0.231406	0.0010	7211 3114955	0.0933	130.91	-5.403	-70.444	0.0943892	-0.052868	-0.0011
7211 3112825	0.2765	120.09	-27.898	-6.664	0.2738186	-0.247835	0.0027	7211 3115025	0.0677	131.03	-4.694	-71.759	0.0658567	-0.064095	0.0018
7211 3112840		120.25	-27.792	-7.508	0.2148747	-0.263565		7211 3115040		131.08	-4.339	-72.416	0.0519429	-0.054764	
7211 3112855	0.1501	120.41	-27.680	-8.349	0.1520977	-0.279806	-0.0029	7211 3115055	0.0423	131.15	-3.983	-73.071	0.0408890	-0.041316	0.0014
7211 3112925	0.0158	120.73	-27.443	-10.026	0.0175568	-0.300377	-0.0018	7211 3115125	0.0209	131.26	-3.270	-74.380	0.0271006	-0.019559	-0.0062
7211 3112940		120.89	-27.317	-10.862	0.0523753	-0.304704		7211 3115140		131.30	-2.913	-75.034	0.0235764	-0.011253	
7211 3112955	-0.1201	121.05	-27.186	-11.695	-0.1229735	-0.307142	0.0029	7211 3115155	0.0281	131.36	-2.555	-75.687	0.0216355	-0.006448	0.0065
7211 3113025	-0.2663	121.37	-26.910	-13.356	-0.2660083	-0.312618	-0.0003	7211 3115225	0.0157	131.46	-1.839	-76.993	0.0180331	-0.012679	-0.0023
7211 3113040		121.52	-26.764	-14.183	-0.3385377	-0.315656		7211 3115240		131.49	-1.481	-77.646	0.0139326	-0.023720	
7211 3113055	-0.4137	121.68	-26.614	-15.008	-0.4114104	-0.314404	-0.0023	7211 3115255	0.0070	131.55	-1.123	-78.298	0.0069413	-0.036602	0.0001
7211 3113125	-0.5483	122.00	-26.300	-16.650	-0.5512553	-0.285549	0.0030	7211 3115325	-0.0158	131.63	-0.405	-79.602	-0.0150495	-0.057602	-0.0008
7211 3113140		122.15	-26.136	-											

7211	3115425	-0.0770	131.76	1.029	-82.209	-0.0785104	-0.070712	0.0015
7211	3115440		131.78	1.388	-82.861	-0.0942318	-0.064836	
7211	3115455	-0.1091	131.82	1.746	-83.513	-0.1083172	-0.057305	-0.0008
7211	3115525	-0.1339	131.86	2.462	-84.818	-0.1315384	-0.043590	-0.0024
7211	3115540		131.87	2.819	-85.471	-0.1408807	-0.037407	
7211	3115555	-0.1449	131.90	3.176	-86.124	-0.1487312	-0.030212	0.0038
7211	3115625	-0.1607	131.93	3.889	-87.432	-0.1580190	-0.008367	-0.0027
7211	3115640		131.93	4.245	-88.088	-0.1583074	0.006284	
7211	3115655	-0.1538	131.95	4.600	-88.743	-0.1550198	0.022225	0.0012
7211	3115725	-0.1376	131.97	5.308	-90.055	-0.1373378	0.054447	-0.0003
7211	3115740		131.96	5.661	-90.714	-0.1228888	0.070728	
7211	3115755	-0.1057	131.97	6.013	-91.371	-0.1047306	0.086422	-0.0010
7211	3115825	-0.0560	131.97	6.716	-92.691	-0.0582659	0.114018	0.0023
7211	3115840		131.96	7.066	-93.352	-0.0305413	0.125918	
7211	3115855	-0.0028	131.96	7.415	-94.014	-0.0003845	0.134548	-0.0024
7211	3115925	0.0643	131.94	8.110	-95.341	0.0628834	0.136020	0.0014
7211	3115940		131.92	8.456	-96.007	0.0935643	0.128857	
7211	3115955	0.1219	131.91	8.801	-96.673	0.1223894	0.121884	-0.0005
7211	312 025	0.1786	131.88	9.487	-98.009	0.1784777	0.124850	0.0001
7211	312 040		131.85	9.828	-98.681	0.2083448	0.134795	
7211	312 055	0.2409	131.84	10.168	-99.352	0.2409229	0.147518	0.0000
7211	312 4 5	0.9015	131.37	14.339	-108.001	0.9015000	0.392359	0.0000

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JEPOCH = 72, 11, 3, 15, 24,

STATE = 13, 1857.764, 6.6049499E-03, 151.1059, 277.6698

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DRIFT = 0.2000000

CONCAC = 1.083000

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YYMMDDHHMMSS		Hr	Km	Deg.	Deg.	Hr	mm/s**2	Hr
7211	3144914	-0.0767	108.60	6.096	109.141	-0.0766957	0.385935	0.0000
7211	3144944	0.0790	108.47	5.373	107.791	0.0788843	0.290727	0.0001
7211	3144959		108.40	5.011	107.117	0.1411223	0.249175	
7211	3145014	0.1937	108.34	4.647	106.444	0.1842223	0.211506	-0.0005
7211	3145044	0.2776	108.23	3.919	105.099	0.2764890	0.147361	0.0011
7211	3145059		108.17	3.554	104.428	0.3073782	0.120885	
7211	3145114	0.3317	108.12	3.188	103.757	0.3331571	0.105557	-0.0015
7211	3145144	0.3858	108.02	2.456	102.417	0.3048116	0.130585	0.0010
7211	3145159		107.98	2.089	101.747	0.4192569	0.170942	
7211	3145214	0.4646	107.93	1.722	101.078	0.4636970	0.210840	0.0009
7211	3145244	0.5664	107.85	0.987	99.740	0.5689658	0.232197	-0.0026
7211	3145259		107.81	0.619	99.071	0.6208010	0.213656	
7211	3145314	0.6666	107.78	0.251	98.402	0.6662750	0.177808	0.0003
7211	3145344	0.7277	107.71	-0.484	97.064	0.7236641	0.060712	0.0040
7211	3145359		107.68	-0.852	96.396	0.7285923	-0.020536	
7211	3145414	0.7102	107.66	-1.220	95.726	0.7137123	-0.017902	-0.0035
7211	3145444	0.6237	107.61	-1.955	94.388	0.6251224	-0.273937	-0.0014
7211	3145459		107.59	-2.322	93.718	0.5527508	-0.352607	

7211	3145514	0.4663	107.57	-2.689	93.048	0.4634186	-0.417139	0.0029
7211	3145544	0.2550	107.54	-3.421	91.706	0.2547084	-0.470076	0.0003
7211	3145559		107.52	-3.787	91.034	0.1470460	-0.458481	
7211	3145614	0.0421	107.51	-4.152	90.362	0.0444513	-0.428501	-0.0024
7211	3145644	-0.1324	107.50	-4.880	89.016	-0.1333973	-0.334341	0.0010
7211	3145659		107.50	-5.243	88.342	-0.2033886	-0.270164	
7211	3145714	-0.2558	107.49	-5.606	87.667	-0.2580891	-0.205496	0.0023
7211	3145744	-0.3339	107.49	-6.328	86.314	-0.3287157	-0.107402	-0.0052
7211	3145759		107.50	-6.688	85.636	-0.3494501	-0.073977	
7211	3145814	-0.3587	107.51	-7.047	84.958	-0.3635553	-0.049467	0.0049
7211	3145844	-0.3814	107.53	-7.763	83.597	-0.3798722	-0.022697	-0.0023
7211	3145859		107.54	-8.119	82.915	-0.3839080	-0.020437	
7211	3145914	-0.3867	107.55	-8.474	82.232	-0.3889679	-0.024161	0.0023
7211	3145944	-0.4081	107.59	-9.180	80.862	-0.4042938	-0.045265	-0.0038
7211	3145959		107.61	-9.531	80.175	-0.4166612	-0.062645	
7211	315 014	-0.4323	107.64	-9.881	79.487	-0.4330153	-0.077419	0.0007
7211	315 044	-0.4648	107.69	-10.576	78.106	-0.4703200	-0.077676	0.0055
7211	315 059		107.72	-10.921	77.413	-0.4867629	-0.063158	
7211	315 114	-0.5048	107.75	-11.265	76.718	-0.4989072	-0.041210	-0.0059
7211	315 144	-0.5039	107.82	-11.948	75.325	-0.5050533	-0.017984	0.0012
7211	315 159		107.86	-12.287	74.625	-0.4967012	0.055229	
7211	315 214	-0.4808	107.90	-12.624	73.924	-0.4797405	0.090065	-0.0011
7211	315 244	-0.4235	107.99	-13.293	72.516	-0.4274172	0.129988	0.0039
7211	315 3 7		108.06	-13.789	71.455	-0.3810866	0.133899	
7211	315 329	-0.3387	108.14	-14.281	70.390	-0.3357681	0.128465	-0.0029
7211	315 414	-0.2490	108.30	-15.250	68.246	-0.2476377	0.128472	-0.0014
7211	315 429		108.36	-15.568	67.527	-0.2176402	0.131691	
7211	315 444	-0.1833	108.42	-15.884	66.806	-0.1870570	0.132053	0.0038
7211	315 514	-0.1315	108.55	-16.510	65.357	-0.1298799	0.110743	-0.0016
7211	315 529		108.62	-16.818	64.629	-0.1066756	0.089075	
7211	315 544	-0.0894	108.68	-17.125	63.899	-0.0891749	0.061960	-0.0002
7211	315 614	-0.0752	108.83	-17.729	62.431	-0.0749993	-0.002919	-0.0002
7211	315 629		108.90	-18.027	61.694	-0.0799636	-0.048683	
7211	315 644	-0.0934	108.98	-18.322	60.954	-0.0935162	-0.074994	0.0001
7211	315 714	-0.1379	109.13	-18.904	59.468	-0.1383476	-0.112243	0.0004
7211	315 729		109.22	-19.191	58.720	-0.1647982	-0.115182	
7211	315 744	-0.1896	109.30	-19.474	57.971	-0.1989748	-0.110973	0.0014
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7211	3193845	0.3615	127.27	-18.478	-47.074	0.3615853	-0.020647	-0.0001
7211	3193915	0.3629	127.52	-17.899	-48.524	0.3606613	0.014092	0.0022
7211	3193930		127.64	-17.606	-49.246	0.3653300	0.025719	
7211	3193945	0.3702	127.77	-17.310	-49.965	0.3722180	0.033225	-0.0020
7211	3194015	0.3867	128.01	-16.711	-51.396	0.3886461	0.035001	-0.0019
7211	3194030		128.13	-16.408	-52.108	0.3961492	0.029271	
7211	3194045	0.4046	128.25	-16.102	-52.818	0.4018708	0.019783	0.0027
7211	3194115	0.4053	128.48	-15.485	-54.231	0.4049508	-0.008510	0.0003
7211	3194130		128.59	-15.172	-54.934	0.4008756	-0.027315	
7211	3194145	0.3907	128.70	-14.858	-55.635	0.3922705	-0.047024	-0.0016
7211	3194215	0.3621	128.92	-14.224	-57.030	0.3621592	-0.082554	-0.0001
7211	3194230		129.02	-13.903	-57.725	0.3412514	-0.098375	
7211	3194245	0.3177	129.13	-13.581	-58.417	0.3170282	-0.110467	0.0007
7211	3194315	0.2641	129.34	-12.931	-59.797	0.2637637	-0.116167	0.0003
7211	3194330		129.44	-12.603	-60.484	0.2375670	-0.109774	
7211	3194345	0.2132	129.54	-12.274	-61.169	0.2133917	-0.099371	-0.0002
7211	3194415	0.1717	129.73	-11.610	-62.533	0.1733187	-0.072986	-0.0016
7211	3194430		129.82	-11.276	-63.213	0.1582794	-0.057005	
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7211	3194515	0.1297	130.10	-10.265	-65.243	0.1333743	-0.019246	-0.0037
7211	3194530		130.18	-9.925	-65.917	0.1297741	-0.012427	
7211	3194545	0.1303	130.27	-9.584	-66.589	0.1273792	-0.008960	0.0029
7211	3194615	0.1213	130.43	-8.898	-67.929	0.1227831	-0.013499	-0.0015
7211	3194630		130.51	-8.553	-68.597	0.1188166	-0.021504	
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7211	3194715	0.0939	130.74	-7.513	-70.594	0.0934270	-0.052105	0.0005
7211	3194730		130.81	-7.164	-71.257	0.0801817	-0.062684	
7211	3194745	0.0634	130.88	-6.814	-71.919	0.0647919	-0.069302	-0.0014
7211	3194815	0.0352	131.02	-6.112	-73.241	0.0341084	-0.058213	0.0011
7211	3194830		131.08	-5.759	-73.900	0.0225585	-0.040505	
7211	3194845	0.0187	131.14	-5.406	-74.558	0.0152658	-0.024647	0.0034
7211	3194915	-0.0031	131.26	-4.698	-75.873	0.0048461	-0.028365	-0.0079
7211	3194930		131.32	-4.343	-76.529	-0.0037337	-0.047939	
7211	3194945	-0.0128	131.37	-3.988	-77.185	-0.0175721	-0.071225	0.0048
7211	3195130		131.70	-3.488	-81.760	-0.1940262	-0.111331	
7211	3195315	-0.3180	131.93	-1.020	-86.323	-0.3150281	-0.035699	-0.0030
7211	3195345	-0.3222	131.98	1.736	-87.627	-0.3258772	-0.011076	0.0037
7211	3195400		131.99	2.093	-88.280	-0.3269613	0.001739	
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7211	3195500		132.05	3.521	-90.892	-0.3013620	0.053731	
7211	3195515	-0.2872	132.07	3.877	-91.547	-0.2873910	0.067597	0.0002
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7211	3195700		132.09	6.351	-96.145	-0.0898215	0.155949	
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7211	3195800		132.03	7.748	-98.791	0.0576652	0.170384	
7211	3195815	0.0961	132.02	8.094	-99.455	0.0980276	0.179398	0.0001
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7211	3195900		131.96	9.128	-101.455	0.2323993	0.209410	
7211	3195915	0.2814	131.94	9.470	-102.124	0.2820091	0.220536	-0.0006
7211	3195945	0.3911	131.89	10.151	-103.466	0.3893722	0.245068	0.0017
7211	3200000		131.85	10.489	-104.140	0.4474763	0.258473	
7211	3200015	0.5069	131.83	10.826	-104.814	0.5087544	0.272530	-0.0019
7211	3200045	0.6423	131.76	11.495	-106.168	0.6413571	0.302267	0.0009
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7211	3224655	-0.0478	108.51	7.585	108.127	-0.0470712	0.407251 -0.0007
7211	3224710		108.44	7.229	107.447	0.0414525	0.354188
7211	3224725	0.1190	108.37	6.870	106.769	0.1157449	0.291834 0.0033
7211	3224755	0.2222	108.24	6.151	105.414	0.2282663	0.203765 -0.0061
7211	3224810		108.18	5.790	104.739	0.2721241	0.178074
7211	3224825	0.3164	108.12	5.428	104.064	0.3112381	0.162199 0.0052
7211	3224855	0.3805	108.01	4.703	102.716	0.3827481	0.152484 -0.0022
7211	3224910		107.96	4.339	102.043	0.4185363	0.158660
7211	3224925	0.4607	107.91	3.974	101.371	0.4562701	0.168384 0.0044
7211	3224955	0.5290	107.81	3.244	100.028	0.5383707	0.187113 -0.0094
7211	3225010		107.77	2.878	99.357	0.5826294	0.196117
7211	3225025	0.6335	107.73	2.511	98.687	0.6278655	0.191505 0.0056
7211	3225055	0.7047	107.65	1.778	97.347	0.6996103	0.101295 0.0051
7211	3225110		107.61	1.410	96.678	0.7135343	0.015645
7211	3225125	0.6980	107.58	1.043	96.008	0.7061635	-0.078895 -0.0082
7211	3225155	0.6328	107.52	0.307	94.670	0.6309490	-0.240895 0.0019
7211	3225210		107.49	-0.060	94.001	0.5673512	-0.308336
7211	3225225	0.4920	107.46	-0.428	93.332	0.4895156	-0.363951 0.0025
7211	3225255	0.3019	107.42	-1.164	91.994	0.3035947	-0.431807 -0.0017
7211	3225310		107.40	-1.531	91.324	0.2021782	-0.444021
7211	3225325	0.1012	107.38	-1.899	90.654	0.0999601	-0.438552 0.0012
7211	3225355	-0.0914	107.35	-2.632	89.314	-0.0887384	-0.364967 -0.0027
7211	3225410		107.34	-2.999	88.643	-0.1655605	-0.296811
7211	3225425	-0.2220	107.34	-3.365	87.972	-0.2252952	-0.222337 0.0033
7211	3225455	-0.3063	107.33	-4.095	86.628	-0.2979291	-0.097691 -0.0024
7211	3225510		107.32	-4.460	85.955	-0.3145336	-0.047534
7211	3225525	-0.3194	107.32	-4.824	85.282	-0.3206085	-0.006943 0.0012
7211	3225555	-0.3113	107.33	-5.550	83.932	-0.3109458	0.041522 -0.0004
7211	3225610		107.34	-5.911	83.255	-0.3002389	0.049375
7211	3225625	-0.2892	107.35	-6.272	82.530	-0.2888036	0.048742 -0.0004
7211	3225655	-0.2691	107.37	-6.992	81.223	-0.2698468	0.029350 0.0007
7211	3225710		107.39	-7.350	80.544	-0.2651195	0.010579
7211	3225725	-0.2650	107.40	-7.707	79.863	-0.2650777	-0.009728 0.0001
7211	3225755	-0.2787	107.44	-8.418	78.498	-0.2773665	-0.041548 -0.0013
7211	3225810		107.47	-8.772	77.813	-0.2883477	-0.053057
7211	3225825	-0.3002	107.49	-9.124	77.128	-0.3010817	-0.054444 0.0009
7211	3225855	-0.3174	107.55	-9.825	75.753	-0.3175418	-0.085329 0.0001
7211	3225910		107.58	-10.174	75.063	-0.3132702	0.045206
7211	3225925	-0.2942	107.62	-10.521	74.372	-0.2966673	0.095697 0.0025
7211	3225955	-0.2449	107.70	-11.210	72.985	-0.2388823	0.146623 -0.0068
7211	3230010		107.74	-11.553	72.289	-0.2038934	0.146624
7211	3230025	-0.1657	107.78	-11.894	71.591	-0.1708932	0.140057 0.0052
7211	3230055	-0.1063	107.87	-12.570	70.191	-0.1072347	0.138225 0.0009
7211	3230110		107.92	-12.905	69.488	-0.0748360	0.142969
7211	3230125	-0.0436	107.97	-13.239	68.784	-0.0413417	0.146255 -0.0023
7211	3230240		108.26	-14.876	65.231	0.0951763	0.062426

7211 323 355	0.0794	108.59	-16.457	61.627	0.0786686	-0.084083	0.0007	7211 3232825	-0.6091	121.87	-26.997	-18.762	-0.6086786	-0.270035	-0.0004
7211 323 425	0.0299	108.74	-17.073	60.170	0.0287586	-0.131015	0.0011	7211 3232855	-0.7258	122.19	-26.710	-20.416	-0.7251518	-0.234907	-0.0006
7211 323 440		108.82	-17.377	59.438	-0.0039537	-0.151988		7211 3232910		122.35	-26.559	-21.240	-0.7774627	-0.218189	
7211 323 455	-0.0426	108.90	-17.678	58.703	-0.0408519	-0.165728	-0.0017	7211 3232925	-0.8258	122.51	-26.404	-22.061	-0.8259240	-0.201942	0.0001
7211 323 525	-0.1189	109.06	-18.372	57.227	-0.1168362	-0.154923	-0.0021	7211 3232955	-0.9105	122.82	-26.079	-23.696	-0.9118351	-0.170451	0.0013
7211 323 540		109.15	-18.565	56.485	-0.1500248	-0.130353		7211 3233010		122.98	-25.910	-24.510	-0.9494344	-0.155207	
7211 323 555	-0.1727	109.23	-18.854	55.741	-0.1768229	-0.103199	0.0041	7211 3233025	-0.9844	123.14	-25.736	-25.322	-0.9834047	-0.136808	-0.0010
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7211 323 655	-0.2475	109.59	-19.983	52.739	-0.2469600	-0.062583	-0.0005	7211 3233125	-1.0690	123.75	-24.998	-28.542	-1.0717525	-0.040673	0.0028
7211 323 725	-0.2682	109.79	-20.529	51.223	-0.2697065	-0.030907	0.0015	7211 3233155	-1.0701	124.06	-24.603	-30.136	-1.0678257	0.067037	-0.0023
7211 323 740		109.89	-20.796	50.461	-0.2738484	-0.003698		7211 3233210		124.21	-24.400	-33.930	-1.0439597	0.141977	
7211 323 755	-0.2725	109.99	-21.061	49.697	-0.2715380	0.021952	-0.0010	7211 3233225	-1.0019	124.36	-24.192	-31.720	-1.0018641	0.222448	0.0000
7211 323 825	-0.2555	110.19	-21.579	48.160	-0.2552906	0.041332	-0.0002	7211 3233255	-0.8607	124.66	-23.765	-33.293	-0.8635156	0.374995	0.0028
7211 323 840		110.30	-21.833	47.387	-0.2462659	0.035042		7211 3233310		124.81	-23.546	-34.075	-0.7685325	0.447065	
7211 323 855	-0.2390	110.40	-22.083	46.612	-0.2394680	0.024109	0.0005	7211 3233325	-0.6617	124.96	-23.322	-34.855	-0.6580434	0.507193	-0.0037
7211 323 925	-0.2326	110.62	-22.573	45.854	-0.2326609	0.006280	0.0001	7211 3233355	-0.4053	125.25	-22.865	-36.406	-0.4073855	0.564697	0.0021
7211 323 940		110.73	-22.812	44.271	-0.2320325	-0.000612		7211 3233410		125.39	-22.630	-37.177	-0.2768715	0.562032	
7211 323 955	-0.2325	110.85	-23.047	43.486	-0.2328618	-0.006453	0.0004	7211 3233425	-0.1489	125.54	-22.392	-37.946	-0.1492744	0.541564	0.0004
7211 3231025	-0.2398	111.08	-23.506	41.907	-0.2331402	-0.015919	-0.0017	7211 3233455	0.0816	125.82	-21.905	-39.475	0.0833936	0.456564	-0.0018
7211 3231040		111.20	-23.729	41.113	-0.2422495	-0.019543		7211 3233510		125.96	-21.657	-40.235	0.1816661	0.392003	
7211 3231055	-0.2451	111.32	-23.949	40.317	-0.2470367	-0.021533	0.0019	7211 3233525	0.2638	126.10	-21.405	-40.993	0.2637109	0.318690	0.0001
7211 3231125	-0.2573	111.56	-24.375	38.718	-0.2565368	-0.017938	-0.0008	7211 3233555	0.3784	126.38	-20.891	-42.500	0.3753930	0.163152	0.0030
7211 3231140		111.68	-24.581	37.914	-0.2600829	-0.012350		7211 3233610		126.51	-20.629	-43.249	0.4036343	0.080920	
7211 3231155	-0.2628	111.81	-24.784	37.108	-0.2620462	-0.004251	-0.0008	7211 3233625	0.4114	126.65	-20.364	-43.996	0.4136026	0.009585	-0.0022
7211 3231225	-0.2572	112.06	-25.176	35.488	-0.2589172	0.019478	0.0017	7211 3233655	0.3965	126.91	-19.825	-45.481	0.3983274	-0.059354	-0.0018
7211 3231240		112.19	-25.365	34.674	-0.2526613	0.035114		7211 3233710		127.04	-19.550	-46.220	0.3844276	-0.056910	
7211 3231255	-0.2442	112.32	-25.550	33.858	-0.2426771	0.051153	-0.0015	7211 3233725	0.3756	127.17	-19.273	-46.956	0.3730396	-0.041623	0.0026
7211 3231325	-0.2126	112.59	-25.906	32.219	-0.2125529	0.078229	0.0000	7211 3233755	0.3618	127.43	-18.711	-48.421	0.3614706	-0.007769	0.0003
7211 3231340		112.72	-26.077	31.396	-0.1931793	0.089263		7211 3233810		127.56	-18.425	-49.149	0.3617997	0.018800	
7211 3231355	-0.1684	112.85	-26.244	30.571	-0.1711794	0.102431	0.0028	7211 3233825	0.3653	127.68	-18.137	-49.875	0.3662430	0.026627	-0.0009
7211 3231425	-0.1197	113.13	-26.562	28.914	-0.1145918	0.146686	-0.0051	7211 3233855	0.3808	127.92	-17.552	-51.320	0.3823237	0.038673	-0.0015
7211 3231440		113.27	-26.714	28.083	-0.0772382	0.177784		7211 3233910		128.05	-17.256	-52.038	0.3909633	0.034879	
7211 3231455	-0.0282	113.41	-26.862	27.249	-0.0324845	0.209309	0.0043	7211 3233925	0.4007	128.16	-16.958	-52.755	0.3980503	0.026181	0.0026
7211 3231525	0.0750	113.69	-27.141	25.575	-0.0759875	0.257219	-0.0010	7211 3233955	0.4032	128.40	-16.354	-54.180	0.4043552	-0.001053	-0.0012
7211 3231540		113.83	-27.274	24.736	0.1373313	0.273593		7211 3234010		128.51	-16.048	-54.889	0.4020340	-0.019595	
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7211 3231640		114.41	-27.753	21.360	0.4064897	0.299475		7211 3234110		128.96	-14.803	-57.704	0.3531702	-0.079223	
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7211 3231725	0.6073	114.86	-28.059	18.811	0.6081898	0.276299	-0.0009	7211 3234310		129.77	-12.218	-63.234	0.3061454	-0.041831	
7211 3231740		115.01	-28.150	17.959	0.6701444	0.259454		7211 3234455	0.1974	130.38	-9.868	-67.980	0.1988081	0.003579	-0.0014
7211 3231755	0.7278	115.16	-28.236	17.105	0.7276838	0.238793	0.0001	7211 3234525	0.2017	130.54	-9.184	-69.322	0.1965845	-0.015594	0.0051
7211 3231825	0.8376	115.47	-28.392	15.394	0.8267113	0.188120	0.0009	7211 3234540		130.62	-8.841	-69.951	0.1913252	-0.030546	
7211 3231840		115.62	-28.462	14.537	0.8667515	0.158100		7211 3234555	0.1772	130.70	-8.496	-70.658	0.1826047	-0.043931	-0.0054
7211 3231855	0.8984	115.77	-28.527	13.679	0.8996652	0.127527	-0.0013	7211 3234625	0.1600	130.84	-7.803	-71.990	0.1597403	-0.050668	0.0003
7211 3231925	0.9458	116.08	-28.641	11.961	0.9454684	0.072190	0.0003	7211 3234640		130.91	-7.455	-72.654	0.1486814	-0.043992	
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7211 3231955	0.9698	116.40	-28.732	10.240	0.9675338	0.024808	0.0023	7211 3234725	0.1222	131.11	-6.406	-74.640	0.1250043	-0.029615	-0.0028
7211 3232025	0.9660	116.71	-28.807	8.517	0.9697677	-0.013608	-0.0038	7211 3234740		131.17	-6.054	-75.300	0.1179814	-0.031781	
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7211 3232055	0.9575	117.03	-28.851	6.792	0.9562966	-0.043906	0.0012	7211 3234825	0.0851	131.35	-4.995	-77.275	0.0880590	-0.060227	-0.0030
7211 3232125	0.9303	117.35	-28.877	5.067	0.9294557	-0.072206	0.0008	7211 3234840		131.40	-4.641	-77.932	0.0722658	-0.077158	
7211 3232355		118.31	-28.825	-0.105	0.7736778	-0.151253		7211 3234855	0.0532	131.45	-4.286	-78.588	0.0524085	-0.094488	0.0008
7211 3232425	0.5086	119.28	-28.578	-5.257	0.5118776	-0.227280	-0.0033	7211 3234925	0.0055	131.55	-3.575	-79.898	0.0023391	-0.120484	0.0032
7211 3232455	0.4073	119.61	-28.453	-6.967	0.4009655	-0.253242	0.0063	7211 3234940		131.60	-3.219	-80.552	0.0265429	-0.129145	
7211 3232510		119.77	-28.382	-7.820	0.3409669	-0.266345		7211 3234955	-0.0611	131.64	-2.862	-81.266	-0.0570127	-0.134287	-0.0041
7211 3232525	0.2731	119.93	-28.306	-8.672	0.2779600	-0.310328	-0.0049	7211 3235025	-0.1174	131.73	-2.147	-82.513	-0.1191619	-0.132189	0.0018
7211 3232555	0.1436	120.26	-28.139	-10.371	0.1418491	-0.327038	0.0018	7211 3235040		131.77	-1.790	-83.165	-0.1489338	-0.124940	
7211 3232610		120.42	-28.048	-11.218	0.0682679	-0.340979	-0.0006	7211 3235055	-0.1772	131.80	-1.432	-83.818	-0.1766249	-0.114822	-0.0006
7211 3232625	-0.0095	120.58	-27.951	-12.064	-0.0089224	-0.349295	0.0013	7211 3235125	-0.2224	131.87	-0.716	-85.122	-0.2240879	-0.089705	0.0017
7211 3232655	-0.1680	120.91	-27.743	-13.750	-0.1692702	-0.343656		7211 3235140		131.90	-0.357	-85.773	-0.2431043	-0.074702	
7211 3232710		121.07	-27.631	-14.590	-0.2494155	-0.333535	-0.0019	7211 3235155	-0.2614	131.93	0.001	-86.425	-0.2505277	-0.059037	-0.0029
7211 3232725	-0.3295	121.23	-27.514	-15.429	-0.3275858	-0.305931	0.0016	7211 3235225	-0.2759	131.98	0.717	-87.729	-0.2786926	-0.028497	0.0028
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7211	3235325	-0.2772	132.05	2.149	-90.337	-0.2756220	0.039509	-0.0015
7211	3235340		132.07	2.506	-90.953	-0.2640297	0.061210	
7211	3235355	-0.2430	132.08	2.863	-91.643	-0.2474444	0.081892	0.0044
7211	3235425	-0.2076	132.09	3.576	-92.950	-0.2022311	0.111314	-0.0054
7211	3235440		132.10	3.931	-93.605	-0.1754377	0.120046	
7211	3235455	-0.1453	132.10	4.286	-94.260	-0.1468528	0.128213	0.0016
7211	3235525	-0.0779	132.10	4.995	-95.571	-0.0823374	0.153185	0.0044
7211	3235540		132.10	5.348	-96.228	-0.0450731	0.169995	
7211	3235555	-0.0089	132.09	5.701	-96.886	-0.0039209	0.185968	-0.0050
7211	3235625	0.0871	132.07	6.404	-98.204	0.0868777	0.204355	0.0002
7211	3235640		132.06	6.754	-98.864	0.1344392	0.206762	
7211	3235655	0.1843	132.05	7.104	-99.525	0.1823193	0.208960	0.0020
7211	3235725	0.2817	132.01	7.800	-100.851	0.2820235	0.225703	-0.0003
7211	3235740		132.00	8.146	-101.515	0.3357517	0.240257	
7211	3235755	0.3932	131.97	8.492	-102.181	0.3930206	0.255817	0.0002
7211	3235825	0.5148	131.92	9.179	-103.516	0.5171944	0.280719	-0.0024
7211	3235840		131.89	9.521	-104.185	0.5831459	0.290058	
7211	3235855	0.6543	131.86	9.862	-104.856	0.6511516	0.299973	0.0031
7211	3235925	0.7943	131.79	10.539	-106.202	0.7959746	0.329568	-0.0017
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7211	4 24424	-0.6234	108.86	10.226	111.279	-0.6233950	0.488585
7211	4 24454	-0.3956	108.70	9.529	109.902	-0.3957332	0.485932
7211	4 245 9		108.63	9.179	109.316	-0.2864369	0.458258
7211	4 24524	-0.1855	108.55	8.827	108.531	-0.1849196	0.420796
7211	4 24554	-0.0083	108.41	8.120	107.165	-0.0090054	0.339943
7211	4 246 9		108.35	7.764	106.483	0.0644834	0.296551
7211	4 24624	0.1289	108.28	7.408	105.803	0.1280454	0.254997
7211	4 24654	0.2269	108.16	6.692	104.445	0.2296547	0.188965
7211	4 247 9		108.10	6.332	103.768	0.2703327	0.164482
7211	4 24724	0.3674	108.04	5.972	103.091	0.3062754	0.148887
7211	4 24754	0.3773	107.93	5.248	101.741	0.3743343	0.154014
7211	4 248 9		107.88	4.886	101.067	0.4120380	0.174727
7211	4 24824	0.4512	107.83	4.522	100.394	0.4548472	0.193406
7211	4 24854	0.5449	107.74	3.793	99.049	0.5440447	0.132210
7211	4 249 9		107.70	3.428	98.377	0.5829634	0.152347
7211	4 24924	0.6130	107.65	3.062	97.706	0.6133273	0.108825
7211	4 24954	0.6404	107.59	2.330	96.365	0.6374943	-0.011542
7211	4 250 9		107.55	1.963	95.695	0.6261773	-0.088378
7211	4 25024	0.5921	107.52	1.596	95.025	0.5965095	-0.167525
7211	4 25054	0.4897	107.46	0.861	93.687	0.4861574	-0.306157

7211	4 251 9		107.44	0.493	93.017	0.4085062	-0.365646
7211	4 25124	0.3164	107.41	0.125	92.348	0.3184845	-0.410295
7211	4 25154	0.1221	107.37	-0.610	91.010	0.1209314	-0.430057
7211	4 252 9		107.36	-0.978	90.341	0.0243998	-0.405186
7211	4 25224	-0.0660	107.34	-1.345	89.671	-0.0648972	-0.364354
7211	4 25254	-0.2082	107.32	-2.080	88.331	-0.2093617	-0.255613
7211	4 253 9		107.31	-2.447	87.661	-0.2607156	-0.187911
7211	4 25324	-0.2959	107.30	-2.813	86.990	-0.2961704	-0.120961
7211	4 25354	-0.3291	107.30	-3.545	85.648	-0.3267572	-0.018528
7211	4 254 9		107.30	-3.910	84.976	-0.3267363	0.016963
7211	4 25424	-0.3177	107.30	-4.275	84.303	-0.3195692	0.044068
7211	4 25454	-0.2897	107.31	-5.003	82.956	-0.2901144	0.079320
7211	4 255 9		107.32	-5.365	82.281	-0.2707454	0.087472
7211	4 25524	-0.2504	107.33	-5.727	81.606	-0.2504424	0.086367
7211	4 25554	-0.2206	107.36	-6.449	80.252	-0.2176492	0.047561
7211	4 256 9		107.38	-6.809	79.574	-0.2107875	0.009868
7211	4 25624	-0.2097	107.40	-7.167	78.895	-0.2129219	-0.025567
7211	4 25654	-0.2326	107.44	-7.881	77.533	-0.2320661	-0.046308
7211	4 257 9		107.47	-8.237	76.850	-0.2413468	-0.031427
7211	4 25724	-0.2464	107.50	-8.591	76.167	-0.2457771	-0.006288
7211	4 25754	-0.2354	107.56	-9.296	74.796	-0.2349404	0.055877
7211	4 258 9		107.60	-9.646	74.108	-0.2178478	0.092901
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7211	4 25924	-0.0394	107.80	-11.377	70.648	-0.0388914	0.182264
7211	4 3 054		108.11	-13.399	66.442	0.1751144	0.096773
7211	4 3 224	0.1874	108.50	-15.350	62.167	0.1895622	-0.075505
7211	4 3 254	0.1485	108.65	-15.983	60.726	0.1415617	-0.132388
7211	4 3 3 9		108.72	-16.295	60.002	0.1077357	-0.160723
7211	4 3 324	0.0613	108.80	-16.605	59.276	0.0679018	-0.181985
7211	4 3 354	-0.0180	108.96	-17.218	57.816	-0.0183390	-0.182214
7211	4 3 4 9		109.04	-17.520	57.083	-0.0582386	-0.161191
7211	4 3 424	-0.0917	109.13	-17.820	56.348	-0.0924260	-0.135875
7211	4 3 454	-0.1423	109.30	-18.411	54.869	-0.1464448	-0.101815
7211	4 3 5 9		109.39	-18.702	54.127	-0.1682777	-0.093066
7211	4 3 524	-0.1933	109.48	-18.990	53.381	-0.1894214	-0.084450
7211	4 3 554	-0.2242	109.67	-19.558	51.884	-0.2216057	-0.051473
7211	4 3 6 9		109.77	-19.837	51.131	-0.2307759	-0.027117
7211	4 3 624	-0.2281	109.87	-20.113	50.375	-0.2342231	-0.004051
7211	4 3 654	-0.2341	110.07	-20.654	48.857	-0.2296717	-0.018539
7211	4 3 7 9		110.18	-20.920	48.094	-0.2252963	0.018069
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7211	4 3 754	-0.2222	110.50	-21.698	45.789	-0.2199358	-0.006331
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7211	4	35724	0.2569	131.95	8.635	-104.455	0.2545258	0.245509	0.0024
7211	4	35754	0.3701	131.89	9.322	-105.791	0.3716468	0.260475	-0.0015
7211	4	358 9		131.86	9.663	-106.461	0.4323081	0.264844	
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7211 4 64245	-0.6484	108.98	11.671	112.176	-0.6483971	0.507413	0.0000		7211 4 7 630		110.49	-20.861	46.234	-0.0876763	-0.037451			
7211 4 64315	-0.4391	108.82	10.987	110.787	-0.4291766	0.447142	0.0001		7211 4 7 645	-0.1028	110.60	-21.124	45.470	-0.0999776	-0.067220	-0.0028		
7211 4 64330		108.75	10.643	110.094	-0.3283072	0.428914			7211 4 7 715	-0.1377	110.82	-21.640	43.932	-0.1385899	-0.092417	0.0009		
7211 4 64345	-0.2319	108.67	10.297	109.403	-0.2315414	0.409270	-0.0004		7211 4 7 730		110.94	-21.892	43.159	-0.1596159	-0.087844			
7211 4 64415	-0.0537	108.52	9.600	108.025	-0.0547803	0.352080	0.0011		7211 4 7 745	-0.1781	111.06	-22.141	42.384	-0.1787563	-0.078208	0.0007		
7211 4 64430		108.45	9.250	107.339	0.0221827	0.313633			7211 4 7 815	-0.2119	111.29	-22.628	40.826	-0.2111261	-0.062898	-0.0008		
7211 4 64445	0.0873	108.39	8.898	106.653	0.0898449	0.272937	-0.0025		7211 4 7 830		111.42	-22.866	40.043	-0.2249652	-0.057224			
7211 4 64515	0.2028	108.26	8.192	105.286	0.1981805	0.197752	0.0046		7211 4 7 845	-0.2372	111.54	-23.100	39.257	-0.2375083	-0.051068	0.0003		
7211 4 64530		108.19	7.836	104.604	0.2398093	0.163264			7211 4 7 915	-0.2563	111.79	-23.556	37.678	-0.2570128	-0.031902	0.0007		
7211 4 64545	0.2674	108.13	7.480	103.923	0.2740906	0.135719	-0.0067		7211 4 7 930		111.92	-23.778	36.884	-0.2629195	-0.018893			
7211 4 64615	0.3376	108.02	6.764	102.565	0.3303964	0.116076	0.0072		7211 4 7 945	-0.2687	112.04	-23.996	36.088	-0.2656583	-0.004883	-0.0030		
7211 4 64630		107.97	6.405	101.837	0.3578763	0.123979			7211 4 7 1015	-0.2569	112.30	-24.419	34.488	-0.2615985	0.022280	0.0047		
7211 4 64645	0.3840	107.91	6.045	101.211	0.3878692	0.134925	-0.0039		7211 4 7 1030		112.44	-24.625	33.685	-0.2549315	0.035435			
7211 4 64715	0.4508	107.82	5.322	99.860	0.4521301	0.139534	-0.0013		7211 4 7 1045	-0.2466	112.57	-24.826	32.878	-0.2453278	0.047434	-0.0013		
7211 4 64730		107.77	4.959	99.185	0.4837535	0.133396			7211 4 7 1115	-0.2229	112.84	-25.215	31.259	-0.2189808	0.065351	-0.0039		
7211 4 64745	0.5153	107.73	4.596	98.512	0.5129326	0.116970	0.0024		7211 4 7 1130		112.98	-25.403	30.445	-0.2031731	0.071269			
7211 4 64815	0.5523	107.65	3.867	97.166	0.5514625	0.040176	0.0008		7211 4 7 1145	-0.1852	113.12	-25.586	29.629	-0.1855815	0.083629	0.0004		
7211 4 64830		107.61	3.502	96.494	0.5540509	-0.020192			7211 4 7 1215	-0.1260	113.40	-25.939	27.990	-0.1332350	0.153075	0.0072		
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7211 4 64945	0.3434	107.45	1.670	93.142	0.3431423	-0.332830	0.0003		7211 4 7 1715	0.9419	116.41	-28.396	11.173	0.9383289	-0.007960	0.0036		
7211 4 65015	0.1737	107.41	0.935	91.803	0.1731924	-0.392814	0.0005		7211 4 7 1745	0.9239	116.73	-28.529	9.460	0.9283255	-0.032921	-0.0044		
7211 4 65030		107.39	0.568	91.133	0.0814956	-0.399002			7211 4 7 18 0		116.89	-28.587	8.602	0.9198517	-0.039883			
7211 4 65045	-0.0132	107.37	0.200	90.464	-0.0097266	-0.388390	-0.0035		7211 4 7 1815	0.9097	117.05	-28.639	7.743	0.9100409	-0.045173	-0.0003		
7211 4 65115	-0.1684	107.34	-0.535	89.126	-0.1745884	-0.313969	0.0062		7211 4 7 1845	0.8891	117.37	-28.728	6.023	0.8865610	-0.056766	0.0025		
7211 4 65130		107.33	-0.903	88.456	-0.2400415	-0.250161			7211 4 7 19 0		117.53	-28.765	5.163	0.8727361	-0.063069			
7211 4 65145	-0.2935	107.32	-1.271	87.787	-0.2895709	-0.179700	-0.0039		7211 4 7 1915	0.8567	117.69	-28.796	4.302	0.8572623	-0.071724	-0.0006		
7211 4 65215	-0.3439	107.31	-2.005	86.447	-0.3423906	-0.052068	-0.0015		7211 4 7 1945	0.8155	118.01	-28.841	2.579	0.8177995	-0.102141	-0.0023		
7211 4 65230		107.31	-2.372	85.777	-0.3477260	0.005104			7211 4 7 20 0		118.18	-28.856	1.717	0.7917936	-0.123902			
7211 4 65245	-0.3386	107.30	-2.738	85.106	-0.3406844	0.053828	0.0021		7211 4 7 2015	0.7644	118.34	-28.865	0.856	0.7603435	-0.146349	0.0039		
7211 4 65315	-0.2983	107.31	-3.470	83.764	-0.3000521	0.113881	0.0018		7211 4 7 2045	0.6806	118.67	-28.867	-0.067	0.6842273	-0.182255	-0.0036		
7211 4 65330		107.32	-3.836	83.092	-0.2722165	0.125209			7211 4 7 21 0		118.83	-28.860	-1.729	0.6405447	-0.195712			
7211 4 65345	-0.2442	107.32	-4.200	82.419	-0.2429991	0.126742	-0.0012		7211 4 7 2115	0.5967	118.99	-28.847	-2.590	0.5939351	-0.208335	0.0028		
7211 4 65415	-0.1905	107.35	-4.928	81.072	-0.1876159	0.108427	-0.0029		7211 4 7 2145	0.4894	119.32	-28.806	-4.310	0.4912090	-0.237555	-0.0018		
7211 4 65430		107.36	-5.291	80.397	-0.1647404	0.088579			7211 4 7 22 0		119.49	-28.777	-5.170	0.4344825	-0.254152			
7211 4 65445	-0.1468	107.38	-5.653	79.722	-0.1469402	0.065800	0.0001		7211 4 7 2215	0.3746	119.65	-28.743	-6.028	0.3739457	-0.269802	0.0007		
7211 4 65515	-0.1181	107.42	-6.375	78.369	-0.1262366	0.024758	0.0081		7211 4 7 2245	0.2439	119.98	-28.658	-7.744	0.2438935	-0.291437	0.0000		
7211 4 65530		107.44	-6.735	77.691	-0.1226753	0.006335			7211 4 7 23 0		120.14	-28.608	-8.600	0.1758654	-0.297422			
7211 4 65545	-0.1318	107.47	-7.093	77.012	-0.1226751	-0.003812	-0.0091		7211 4 7 2315	0.1078	120.30	-28.552	-9.455	0.1065717	-0.303510	0.0012		
7211 4 65615	-0.1184	107.53	-7.808	75.651	-0.1209721	0.021275	0.0026		7211 4 7 2345	-0.0011	120.63	-28.424	-11.162	-0.0382084	-0.325962	-0.0029		
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7211 4 65645	-0.0939	107.59	-8.518	74.285	-0.0945481	0.096094	0.0006		7211 4 7 2415	-0.3593	121.28	-28.107	-14.561	-0.3625129	-0.359259	0.0032		
7211 4 65645		107.94	-11.305	68.769	0.2250005	0.181432			7211 4 7 2445		121.45	-28.014	-15.407	-0.4443417	-0.348324			
7211 4 7 045	0.4007	108.42	-13.988	63.150	0.4023883	-0.014549	-0.0017		7211 4 7 2515	-0.5253	121.61	-27.917	-16.251	-0.5230523	-0.333813	-0.0022		
7211 4 7 115	0.3823	108.56	-14.639	61.726	0.3792658	-0.087195	0.0030		7211 4 7 2545	-0.6728	121.93	-27.706	-17.935	-0.6710793	-0.308197	-0.0017		
7211 4 7 130		108.64	-14.962	61.011	0.3545813	-0.127066			7211 4 7 26 0		122.10	-27.594	-18.774	-0.7409198	-0.297091			
7211 4 7 145	0.3191	108.71	-15.282	60.294	0.3209750	-0.162090	-0.0016		7211 4 7 2615	-0.8101	122.25	-27.476	-19.611	-0.8080187	-0.283105	-0.0021		
7211 4 7 215	0.2360	108.87	-15.915	58.854	0.2364654	-0.195967	-0.0005		7211 4 7 2645	-0.9190	122.57	-27.226	-21.279	-0.9285512	-0.234445	0.0006		
7211 4 7 230		108.95	-16.228	58.131	0.1911287	-0.194820			7211 4 7 27 0		122.74	-27.093	-22.118	-0.9788011	-0.199771			
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7211 4 7 330		109.29	-17.455	55.215	0.0338286	-0.135788			7211 4 7 28 0		123.37	-26.516	-25.412	-1.1302712	-0.168828			
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7211 4 7 415	-0.0368	109.57	-18.347	53.003	-0.0391836	-0.078283	0.0024		7211 4 7 2845	-1.2238	123.83	-26.034	-27.065	-1.2401547	-0.104385	0.0164		
7211 4 7 430		109.66	-18.638	52.261	-0.0554780	-0.063283			7211 4 7 29 0		123.99	-25.864	-28.677	-1.2555463	-0.024664			
7211 4 7 445	-0.0695	109.76	-18.927	51.516	-0.0680492	-0.048968	-0.0011		7211 4 7 2915	-1.2356	124.14	-25.690	-29.487	-1.2585882	0.066191	0.0149		
7211 4 7 515	-0.0847	109.96	-19.495	50.020	-0.0839896	-0.017803	-0.0007		7211 4 7 2945	-1.2064	124.45	-25.328	-31.100	-1.1834173	-0.128043	-0.0230		
7211 4 7 530		110.06	-19.775	49.268	-0.0861724	-0.000969			7211 4 7 3145	0.1690	125.64	-23.714	-37.445	-0.4786471	0.443324			
7211 4 7 545	-0.0848	110.16	-20.051	48.513	-0.0849123	0.009689	0.0001		7211 4 7 3345	0.1690	126.76	-21.851	-43.					

7211	4	73545	0.1520	127.80	-19.769	-49.614	0.1360055	0.049478	0.0160
7211	4	73615	0.1731	128.05	-19.218	-51.087	0.1745104	0.098461	-0.0014
7211	4	73630		128.18	-18.938	-51.819	0.1957112	0.080507	
7211	4	73645	0.2027	128.29	-18.655	-52.550	0.2109372	0.052914	-0.0082
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7211	4	73730		128.65	-17.790	-54.724	0.2329664	0.024231	
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7211	4	73815	0.2480	128.99	-16.902	-56.877	0.2479273	0.010402	0.0001
7211	4	73830		129.10	-16.601	-57.590	0.2485871	-0.005638	
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7211	4	73915	0.2370	129.42	-15.684	-59.715	0.2349524	-0.019442	0.0020
7211	4	73930		129.52	-15.374	-60.419	0.2319503	-0.004980	
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7211	4	74015	0.2444	129.82	-14.431	-62.518	0.2473384	0.047781	-0.0029
7211	4	74030		129.92	-14.113	-63.213	0.2601667	0.063181	
7211	4	74045	0.2798	130.01	-13.792	-63.906	0.2762175	0.074806	0.0036
7211	4	74115	0.3100	130.20	-13.146	-65.287	0.3126436	0.078687	-0.0026
7211	4	74130		130.29	-12.820	-65.975	0.3300380	0.070942	
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7211	4	74215	0.3637	130.55	-11.832	-68.027	0.3656366	0.028788	-0.0019
7211	4	74230		130.63	-11.499	-68.707	0.3702261	0.010633	
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7211	4	74315	0.3665	130.87	-10.493	-70.739	0.3656044	-0.012515	0.0009
7211	4	74330		130.94	-10.154	-71.413	0.3634423	-0.004944	
7211	4	74345	0.3624	131.01	-9.815	-72.086	0.3634439	0.004211	-0.0010
7211	4	74415	0.3669	131.15	-9.131	-73.427	0.3672036	0.009091	-0.0003
7211	4	74430		131.23	-8.788	-74.095	0.3688949	0.004816	
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7211	4	74515	0.3598	131.41	-7.751	-76.093	0.3598489	-0.039049	0.0000
7211	4	74530		131.48	-7.403	-76.757	0.3480033	-0.064482	
7211	4	74545	0.3298	131.53	-7.054	-77.420	0.3299969	-0.090978	-0.0002
7211	4	748 0		131.96	-3.881	-83.342	0.0005964	-0.181847	
7211	4	75015	-0.2908	132.22	-0.668	-89.219	-0.2913866	-0.078912	0.0006
7211	4	75045	-0.3206	132.25	0.048	-90.522	-0.3189473	-0.039477	-0.0017
7211	4	751 0		132.27	0.406	-91.173	-0.3255528	-0.017502	
7211	4	75115	-0.3248	132.28	0.764	-91.825	-0.3271007	0.003523	0.0023
7211	4	75145	-0.3202	132.30	1.479	-93.129	-0.3176011	0.035358	-0.0026
7211	4	752 0		132.31	1.836	-93.781	-0.3081259	0.046168	
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7211	4	75315	-0.2164	132.30	3.620	-97.046	-0.2196589	0.112408	0.0033
7211	4	75345	-0.1646	132.29	4.330	-98.356	-0.1632675	0.129091	-0.0013
7211	4	754 0		132.28	4.684	-99.011	-0.1331491	0.131158	
7211	4	75415	-0.1035	132.26	5.038	-99.668	-0.1027832	0.132331	-0.0007
7211	4	75445	-0.0381	132.23	5.743	-100.983	-0.0398587	0.141853	0.0018
7211	4	755 0		132.21	6.095	-101.641	-0.0661956	0.150203	
7211	4	75515	0.0286	132.19	6.446	-102.301	0.0294450	0.158007	-0.0008
7211	4	75545	0.1029	132.14	7.145	-103.623	0.1041211	0.163168	-0.0012
7211	4	756 0		132.11	7.493	-104.285	0.1415406	0.160523	
7211	4	75615	0.1804	132.08	7.841	-104.948	0.1784065	0.160152	0.0020
7211	4	75645	0.2554	132.01	8.532	-106.279	0.2564981	0.183493	-0.0011
7211	4	75715	0.3530	131.94	9.219	-107.614	0.3527787	0.238947	0.0002

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		Hx	Km	Deg.	Deg.	Hx	mm/s**2	Hx
7211	4104154	-0.8259	108.56	11.982	110.765	-0.8258993	0.545076	0.0000
7211	4104224	-0.5819	108.41	11.300	109.372	-0.5819188	0.506872	0.0000
7211	4104239		108.34	10.957	108.677	-0.4682387	0.476567	
7211	4104254	-0.3623	108.27	10.612	107.985	-0.3622386	0.441791	-0.0001
7211	4104324	-0.1756	108.14	9.918	106.604	-0.1751453	0.367691	-0.0005
7211	4104339		108.08	9.569	105.915	-0.0947578	0.328366	
7211	4104354	-0.0208	108.02	9.219	105.228	-0.0234015	0.290872	0.0026
7211	4104424	0.0912	107.90	8.514	103.858	0.0963408	0.231277	-0.0051
7211	4104439		107.85	8.159	103.175	0.1470919	0.209180	
7211	4104454	0.1980	107.79	7.804	102.493	0.1933345	0.192514	0.0047
7211	4104524	0.2761	107.70	7.090	101.133	0.2775904	0.176286	-0.0015
7211	4104539		107.65	6.731	100.454	0.3182355	0.176729	
7211	4104554	0.3586	107.60	6.372	99.776	0.3589900	0.174668	-0.0004
7211	4104624	0.4330	107.52	5.650	98.423	0.4329051	0.138386	0.0001
7211	4104639		107.49	5.288	97.748	0.4611125	0.104156	
7211	4104654	0.4804	107.45	4.925	97.073	0.4803284	0.061267	0.0001
7211	4104724	0.4854	107.38	4.197	95.726	0.4852351	-0.044434	0.0002
7211	4104739		107.36	3.833	95.054	0.4678510	-0.107252	
7211	4104754	0.4367	107.33	3.467	94.382	0.4357230	-0.170082	0.0010
7211	4104824	0.3290	107.28	2.735	93.039	0.3317128	-0.276123	-0.0027
7211	4104839		107.26	2.369	92.369	0.2628430	-0.319336	
7211	4104854	0.1871	107.24	2.002	91.699	0.1853218	-0.349106	0.0018
7211	4104924	0.0224	107.21	1.267	90.359	0.0213092	-0.347886	0.0011
7211	4104939		107.20	0.900	89.689	-0.0558256	-0.316868	
7211	4104954	-0.1252	107.19	0.532	89.020	-0.1239675	-0.272621	-0.0012
7211	4105024	-0.2279	107.18	-0.204	87.681	-0.2260474	-0.165448	-0.0019
7211	4105039		107.17	-0.571	87.012	-0.2571003	-0.102499	
7211	4105054	-0.2691	107.17	-0.939	86.342	-0.2734853	-0.041805	0.0044
7211	4105124	-0.2727	107.18	-1.674	85.003	-0.2688988	0.054833	-0.0038
7211	4105139		107.18	-2.041	84.333	-0.2526997	0.089169	
7211	4105154	-0.2293	107.19	-2.408	83.662	-0.2284257	0.114510	-0.0009
7211	4105224	-0.1624	107.21	-3.141	82.320	-0.1686481	0.158515	0.0062
7211	4105239		107.23	-3.507	81.649	-0.1366497	0.137169	
7211	4105254	-0.1110	107.24	-3.872	80.977	-0.1059827	0.127127	-0.0050
7211	4105324	-0.0579	107.28	-4.601	79.631	-0.0565113	0.081543	-0.0014
7211	4105339		107.31	-4.964	78.957	-0.0416240	0.045992	
7211	4105354	-0.0320	107.33	-5.327	78.282	-0.0358057	0.019399	0.0030
7211	4105424	-0.0347	107.39	-6.050	76.931	-0.0350426	-0.003788	0.0003
7211	4105439		107.42	-6.411	76.253	-0.0345591	0.010554	
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7211	4105524	-0.0066	107.50	-7.486	74.216	-0.0021318	0.086271	-0.0045
7211	4105539		107.57	-7.843	73.535	0.0211497	0.115743	
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7211	4105624	0.1337	107.70	-8.906	71.485	0.1251522	0.173310	0.0005
7211	4105639		107.75	-9.258	70.799	0.1657857	0.177393	
7211	4105654	0.2086	107.80	-9.608	70.111	0.2066051	0.175681	0.0020
7211	4105724	0.2776	107.91	-10.305	68.732	0.2847503	0.160155	-0.0072
7211	41059 4		108.33	-12.583	64.891	0.4247217	-0.088148	
7211	411 044	0.2625	108.83	-14.778	59.372	0.2549285	-0.185778	0.0076
7211	411 114	0.1605	109.00	-15.410	57.939	0.1635282	-0.207759	-0.0030
7211	411 129		109.09	-15.735	57.219	0.1148565	-0.213331	
7211	411 144	0.0571	109.17	-16.049	56.497	0.0655238	-0.212585	-0.0004
7211	411 214	-0.0235	109.36	-16.670	55.047	-0.0274191	-0.184030	0.0039

7211 411 229		109.45	-16.977	54.318	-0.0668643	-0.156221		7211 41128 9		124.50	-26.030	-29.935	-0.9098349	0.028531
7211 411 244	-0.0965	109.55	-17.282	53.587	-0.0993529	-0.125939	0.0029	7211 4112824	-0.8929	124.64	-25.860	-30.747	-0.8972296	0.082397 0.0043
7211 411 314	-0.1470	109.74	-17.882	52.118	-0.1457113	-0.077602	-0.0013	7211 4112854	-0.8337	124.95	-25.508	-32.363	-0.8288526	0.220573 -0.0048
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7211 411 414	-0.1923	110.16	-19.049	49.152	-0.1901771	-0.029322	-0.0021	7211 4112954	-0.4864	125.53	-24.750	-35.565	-0.4840565	0.487972 -0.0023
7211 411 429		110.27	-19.333	48.404	-0.1966212	-0.027170		7211 41130 9		125.68	-24.550	-36.359	-0.3683378	0.511219
7211 411 444	-0.2016	110.38	-19.614	47.654	-0.2031540	-0.030646	0.0016	7211 4113024	-0.2496	125.82	-24.346	-37.150	-0.2494504	0.516105 -0.0001
7211 411 514	-0.2211	110.60	-20.167	46.146	-0.2228376	-0.059487	0.0017	7211 4113054	-0.0167	126.11	-23.927	-38.725	-0.0185134	0.472438 0.0018
7211 411 529		110.72	-20.439	45.388	-0.2393566	-0.084850		7211 41131 9		126.25	-23.711	-39.508	-0.0853067	0.423869
7211 411 544	-0.2650	110.83	-20.707	44.628	-0.2619059	-0.108843	-0.0031	7211 4113124	0.1751	126.39	-23.491	-40.289	0.1762341	0.362968 -0.0011
7211 411 614	-0.3167	111.07	-21.234	43.099	-0.3178275	-0.126717	0.0011	7211 4113154	0.3110	126.66	-23.040	-41.841	0.3119698	0.220439 -0.0010
7211 411 629		111.19	-21.492	42.331	-0.3465657	-0.120598		7211 41132 9		126.80	-22.809	-42.614	0.3535765	0.138803
7211 411 644	-0.3710	111.31	-21.746	41.561	-0.3730450	-0.108499	0.0020	7211 4113224	0.3777	126.93	-22.574	-43.383	0.3764409	0.062134 0.0013
7211 411 714	-0.4204	111.56	-22.245	40.011	-0.4165152	-0.078532	-0.0039	7211 4113254	0.3795	127.20	-22.054	-44.914	0.3787485	-0.040964 0.0008
7211 411 729		111.69	-22.468	39.233	-0.4326184	-0.060665		7211 41133 9		127.33	-21.849	-45.675	0.3659182	-0.067376
7211 411 744	-0.4427	111.81	-22.728	38.451	-0.4444779	-0.042209	0.0018	7211 4113324	0.3461	127.46	-21.600	-46.434	0.3488261	-0.078421 -0.0027
7211 411 814	-0.4534	112.07	-23.196	36.881	-0.4558451	-0.007530	0.0024	7211 4113354	0.3181	127.71	-21.093	-47.943	0.3150365	-0.058652 0.0031
7211 411 829		112.20	-23.425	36.092	-0.4556964	0.008694		7211 41134 9		127.84	-20.834	-48.693	0.3847842	-0.027825
7211 411 844	-0.4547	112.34	-23.649	35.301	-0.4519425	0.023473	-0.0028	7211 4113424	0.3012	127.96	-20.572	-49.441	0.3823864	0.004547 -0.0011
7211 411 914	-0.4365	112.61	-24.085	33.710	-0.4354376	0.046596	-0.0011	7211 4113454	0.3117	128.21	-20.039	-50.929	0.3135154	0.036783 -0.0018
7211 411 929		112.74	-24.297	32.911	-0.4236770	0.054941		7211 41135 9		128.33	-19.768	-51.669	0.3222804	0.036637
7211 411 944	-0.4066	112.88	-24.505	32.109	-0.4100315	0.063821	0.0034	7211 4113524	0.3326	128.45	-19.494	-52.406	0.3380277	0.031257 0.0026
7211 4111014	-0.3777	113.16	-24.908	30.498	-0.3747348	0.091229	-0.0030	7211 4113554	0.3408	128.68	-18.937	-53.873	0.3421734	0.021606 -0.0014
7211 4111029		113.30	-25.102	29.689	-0.3515989	0.109757		7211 41136 9		128.80	-18.654	-54.602	0.3466623	0.017337
7211 4111044	-0.3211	113.44	-25.293	28.877	-0.3237237	0.132686	0.0026	7211 4113624	0.3517	128.90	-18.369	-55.329	0.3580258	0.011069 0.0017
7211 4111114	-0.2518	113.73	-25.660	27.247	-0.2488708	0.195301	-0.0029	7211 4113654	0.3469	129.12	-17.790	-56.776	0.3499232	-0.014425 -0.0030
7211 4111129		113.88	-25.837	26.428	-0.1993145	0.234987		7211 41137 9		129.23	-17.496	-57.495	0.3444516	-0.033693
7211 4111144	-0.1386	114.02	-26.089	25.607	-0.1404865	0.273315	0.0019	7211 4113724	0.3365	129.34	-17.200	-58.213	0.3345642	-0.050428 0.0019
7211 4111214	-0.0011	114.32	-26.340	23.958	-0.0010782	0.325067	0.0000	7211 4113844		129.88	-15.582	-61.998	0.2677363	0.018868
7211 4111229		114.47	-26.498	23.131	-0.0756695	0.338491		7211 41140 4	0.3809	130.36	-13.900	-65.722	0.3828726	0.092672 -0.0020
7211 4111244	0.1550	114.62	-26.652	22.301	0.1546619	0.344966	0.0003	7211 4114034	0.4217	130.53	-13.256	-67.184	0.4180842	0.053016 0.0036
7211 4111314	0.3116	114.92	-26.944	20.636	0.3139016	0.341129	-0.0023	7211 4114049		130.62	-12.930	-67.792	0.4268672	0.028788
7211 4111329		115.08	-27.083	19.800	0.3915654	0.330817		7211 41141 4	0.4249	130.69	-12.603	-68.478	0.4277818	-0.018992 -0.0029
7211 4111344	0.4683	115.23	-27.217	18.963	0.4663688	0.315961	0.0019	7211 4114134	0.4158	130.85	-11.945	-69.845	0.4148652	-0.038934 0.0013
7211 4111414	0.6055	115.54	-27.469	17.282	0.6054950	0.284773	0.0000	7211 4114249		130.93	-11.613	-70.525	0.4056741	-0.036289
7211 4111429		115.70	-27.588	16.439	0.6691449	0.266441		7211 41142 4	0.3983	131.00	-11.279	-71.285	0.3985555	-0.026682 -0.0083
7211 4111444	0.7300	115.85	-27.702	15.595	0.7282430	0.244694	0.0018	7211 4114234	0.3887	131.14	-10.688	-72.558	0.3892886	-0.015447 -0.0085
7211 4111514	0.8232	116.17	-27.914	13.901	0.8282974	0.185182	-0.0051	7211 4114249		131.20	-10.270	-73.232	0.3861214	-0.012017
7211 4111529		116.33	-28.012	13.052	0.8667889	0.147418		7211 41143 4	0.3848	131.27	-9.931	-73.985	0.3833190	-0.013438 0.0015
7211 4111544	0.8974	116.48	-28.105	12.201	0.8964389	0.110609	0.0010	7211 4114334	0.3789	131.39	-9.249	-75.247	0.3726880	-0.037344 -0.0018
7211 4111614	0.9381	116.80	-28.276	10.497	0.9344093	0.058748	0.0037	7211 4114349		131.45	-8.906	-75.916	0.3616811	-0.059838
7211 4111629		116.97	-28.353	9.643	0.9460937	0.043694		7211 41144 4	0.3440	131.51	-8.561	-76.583	0.3447454	-0.086318 -0.0087
7211 4111644	0.9570	117.12	-28.425	8.788	0.9548410	0.032885	0.0022	7211 4114434	0.2969	131.61	-7.870	-77.914	0.2921754	-0.142029 0.0047
7211 4111714	0.9895	117.45	-28.553	7.075	0.9639390	0.007059	-0.0044	7211 4114449		131.67	-7.523	-78.578	0.2560423	-0.171258
7211 4111919		118.81	-28.853	-0.090	0.8617839	-0.119392		7211 41145 4	0.2079	131.71	-7.174	-79.241	0.2133133	-0.197882 -0.0054
7211 4112124	0.5090	120.18	-29.776	-7.258	0.5030969	-0.248221	0.0059	7211 4114534	0.1159	131.81	-6.475	-80.564	0.1131442	-0.231918 0.0028
7211 4112154	0.3757	120.51	-28.782	-8.974	0.3823723	-0.274456	-0.0067	7211 4114549		131.85	-6.124	-81.223	0.0586251	-0.239488
7211 41122 9		120.67	-28.856	-9.830	0.3175565	-0.306896		7211 41146 4	0.0016	131.89	-5.772	-81.882	0.0029635	-0.241993 -0.0014
7211 4112224	0.2510	120.84	-28.886	-10.686	0.2499913	-0.298397	0.0010	7211 4114634	-0.1059	131.96	-5.067	-83.198	-0.1078346	-0.235414 0.0019
7211 4112254	0.1058	121.16	-28.489	-12.394	0.1076769	-0.317168	-0.0019	7211 4114649		132.00	-4.713	-83.854	0.1611917	-0.226343
7211 41123 9		121.33	-28.422	-13.246	0.0335776	-0.324436		7211 41147 4	-0.2133	132.03	-4.359	-84.518	0.2121221	-0.214546 -0.0012
7211 4112324	-0.0389	121.49	-28.351	-14.097	-0.0418571	-0.328437	0.0030	7211 4114734	-0.3061	132.09	-3.648	-85.820	-0.3048742	-0.186199 -0.0012
7211 4112354	-0.1918	121.82	-28.191	-15.795	-0.1925807	-0.321085	0.0008	7211 4114749		132.12	-3.293	-86.474	-0.3499667	-0.169658
7211 41124 9		121.98	-28.104	-16.642	-0.2655055	-0.309728		7211 41148 4	-0.3805	132.14	-2.936	-87.127	-0.3838351	-0.151080 0.0025
7211 4112424	-0.3374	122.14	-28.011	-17.487	-0.3353482	-0.295397	-0.0021	7211 4114834	-0.4447	132.18	-2.222	-88.433	-0.4427489	-0.185914 -0.0028
7211 4112454	-0.4651	122.46	-27.811	-19.173	-0.4646583	-0.264215	-0.0004	7211 4114849		132.20	-1.865	-89.886	-0.4641838	-0.079488
7211 41125 9		122.62	-27.703	-20.013	-0.5237353	-0.247363		7211 41149 4	-0.4787	132.21	-1.586	-89.738	-0.4794798	-0.053651 0.0008
7211 4112524	-0.5772	122.78	-27.590	-20.851	-0.5788631	-0.230522	0.0017	7211 4114934	-0.4944	132.24	-0.792	-91.042	-0.4943995	-0.013495 0.0000
7211 4112554	-0.6788	123.10	-27.350	-22.522	-0.6779675	-0.199361	-0.0008	7211 4114949		132.25	-0.434	-91.693	-0.4957779	0.008834
7211 41126 9		123.26	-27.222	-23.354	-0.7223300	-0.185843		7211 41150 4	-0.4938	132.25	-0.076	-92.345	-0.4948440	0.014649 0.0002
7211 4112624	-0.7618	123.41	-27.090	-24.185	-0.7633539	-0.170135	0.0015	7211 4115034	-0.4882	132.26	0.640	-93.648	-0.4794858	0.058621 -0.0008
7211 4112654	-0.8380	123.72	-26.811	-25.839	-0.8339285	-0.134201	-0.0041	7211 4115049		132.27	0.998	-94.388	-0.4652198	0.072777
7211 41127 9		123.88	-26.664	-26.663	-0.8625187	-0.113173		7211 41151 4	-0.4460	132.26	1.355	-94.952	-0.4438138	0.094788 -0.0002
7211 4112724	-0.8806	124.03	-26.512	-27.484	-0.8858370	-0.087792	0.0052	7211 4115134	-0.3916	132.25	2.070	-96.256	-0.3935765	0.129448 0.0020
7211 4112754	-0.9156	124.34	-26.195	-29.120	-0.9110438	-0.016943	-0.0046	7211 4115149		132.25	2			

7211	41152 4	-0.3295	132.23	2.784	-97.562	-0.3280807	0.153263	-0.0014
7211	4115234	-0.2530	132.21	3.497	-98.869	-0.2521462	0.175723	-0.0009
7211	4115249		132.19	3.852	-99.523	-0.2102880	0.187035	
7211	41153 4	-0.1654	132.17	4.207	-100.178	-0.1658844	0.197186	0.0005
7211	4115334	-0.0687	132.13	4.916	-101.490	-0.0714492	0.210315	0.0027
7211	4115349		132.11	5.269	-102.146	-0.0225222	0.213295	
7211	41154 4	0.0221	132.08	5.622	-102.804	0.0269797	0.215685	-0.0049
7211	4115434	0.1328	132.02	6.325	-104.122	0.1283099	0.224081	0.0045
7211	4115449		131.99	6.675	-104.782	0.1806937	0.230084	
7211	41155 4	0.2318	131.95	7.025	-105.443	0.2346993	0.238213	-0.0029
7211	4115534	0.3513	131.87	7.721	-106.769	0.3500649	0.263575	0.0012
7211	41156 4	0.4797	131.79	8.414	-108.099	0.4799436	0.301084	-0.0002

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EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDD	HHMMSS	Hr	Km	Deg.	Deg.	Hr	mm/s**2	Hr
7211	4144155	-0.5560	107.96	11.019	106.997	-0.5560051	0.469031	0.0000
7211	4144225	-0.3619	107.84	10.329	105.612	-0.3617618	0.375215	-0.0001
7211	4144240		107.78	9.982	104.922	-0.2790990	0.334561	
7211	4144255	-0.2063	107.73	9.633	104.233	-0.2069990	0.298960	0.0006
7211	4144325	-0.0631	107.63	8.931	102.859	-0.0821535	0.245412	-0.0009
7211	4144340		107.58	8.578	102.174	-0.0276732	0.227472	
7211	4144355	0.0232	107.53	8.224	101.490	0.0231424	0.213110	0.0001
7211	4144425	0.1171	107.45	7.512	100.126	0.1155707	0.188122	0.0015
7211	4144440		107.41	7.155	99.406	0.1577568	0.177437	
7211	4144455	0.1955	107.37	6.797	98.767	0.1972233	0.163036	-0.0017
7211	4144525	0.2613	107.30	6.077	97.411	0.2610934	0.107392	0.0003
7211	4144540		107.27	5.716	96.735	0.2811853	0.066021	
7211	4144555	0.2921	107.24	5.354	96.059	0.2910180	0.018550	0.0011
7211	4144625	0.2745	107.19	4.628	94.710	0.2759048	-0.005968	-0.0015
7211	4144640		107.17	4.264	94.037	0.2495009	-0.143218	
7211	4144655	0.2110	107.15	3.908	93.364	0.2101660	-0.196596	0.0008
7211	4144725	0.1012	107.12	3.169	92.020	0.1006651	-0.270442	0.0005
7211	4144740		107.10	2.803	91.348	0.0335479	-0.238098	
7211	4144755	-0.0345	107.09	2.436	90.677	-0.0325928	-0.297798	-0.0019
7211	4144825	-0.1620	107.07	1.703	89.337	-0.1649837	-0.263238	0.0026
7211	4144840		107.07	1.335	88.667	-0.2208867	-0.231763	
7211	4144855	-0.2682	107.07	0.968	87.997	-0.2662620	-0.171072	-0.0019
7211	4144925	-0.3203	107.07	0.233	86.658	-0.3205674	-0.062611	0.0003
7211	4144940		107.07	-0.135	85.988	-0.3203997	-0.004039	
7211	4144955	-0.3220	107.08	-0.503	85.319	-0.3232905	0.047004	0.0012
7211	4145025	-0.2046	107.10	-1.238	83.979	-0.2038056	0.115434	-0.0010
7211	4145040		107.11	-1.605	83.309	-0.2549615	0.130410	
7211	4145055	-0.2263	107.13	-1.972	82.639	-0.2230998	0.137312	-0.0023

7211	4145125	-0.1528	107.16	-2.706	81.298	-0.1593437	0.140395	0.0065
7211	4145140		107.19	-3.072	80.627	-0.1272994	0.136573	
7211	4145155	-0.1028	107.21	-3.437	79.955	-0.0966790	0.127698	-0.0061
7211	4145225	-0.0435	107.26	-4.167	78.611	-0.0453437	0.090327	0.0018
7211	4145240		107.29	-4.531	77.937	-0.0276519	0.061826	
7211	4145255	-0.0173	107.33	-4.895	77.264	-0.0165168	0.036973	-0.0008
7211	4145325	-0.0002	107.40	-5.620	75.914	-0.0034841	0.028694	0.0033
7211	4145340		107.44	-5.981	75.238	0.0047904	0.045282	
7211	4145355	0.0151	107.48	-6.341	74.561	0.0180449	0.069991	-0.0029
7211	4145425	0.0622	107.57	-7.059	73.204	0.0630872	0.126764	-0.0009
7211	4145440		107.62	-7.417	72.524	0.0950112	0.158829	
7211	4145455	0.1389	107.66	-7.774	71.843	0.1359095	0.184350	0.0030
7211	4145525	0.2225	107.77	-8.483	70.478	0.2244520	0.188875	-0.0020
7211	4145540		107.83	-8.836	69.793	0.2659355	0.167864	
7211	4145555	0.3020	107.88	-9.188	69.107	0.3016063	0.142340	0.0004
7211	4145625	0.3587	108.01	-9.888	67.732	0.3590192	0.110685	-0.0003
7211	4145640		108.07	-10.236	67.042	0.3837444	0.104560	
7211	4145655	0.4089	108.14	-10.582	66.351	0.4073100	0.098657	0.0016
7211	4145725	0.4454	108.28	-11.270	64.964	0.4468810	0.068742	-0.0015
7211	4145835		108.63	-12.849	61.702	0.4445546	-0.094972	
7211	4145945	0.2543	109.02	-14.387	58.401	0.2520767	-0.231461	0.0022
7211	415 015	0.1401	109.21	-15.032	56.973	0.1435295	-0.233077	-0.0034
7211	415 030		109.30	-15.351	56.256	0.0989460	-0.221084	
7211	415 045	0.0427	109.40	-15.668	55.537	0.0418379	-0.204172	0.0009
7211	415 115	-0.0415	109.59	-16.294	54.092	-0.0439139	-0.166435	0.0024
7211	415 130		109.69	-16.604	53.366	-0.0799554	-0.145611	
7211	415 145	-0.1132	109.80	-16.911	52.638	-0.1110599	-0.123751	-0.0021
7211	415 215	-0.1584	110.01	-17.517	51.176	-0.1576894	-0.077737	-0.0097
7211	415 230		110.11	-17.816	50.441	-0.1728610	-0.053582	
7211	415 245	-0.1817	110.22	-18.113	49.704	-0.1828538	-0.034971	0.0012
7211	415 315	-0.1960	110.45	-18.697	48.222	-0.1967904	-0.033304	0.0008
7211	415 330		110.56	-18.984	47.478	-0.2062059	-0.050248	
7211	415 345	-0.2205	110.68	-19.269	46.731	-0.2204552	-0.073254	-0.0001
7211	415 415	-0.2680	110.91	-19.829	45.229	-0.2650430	-0.120882	-0.0030
7211	415 430		111.03	-20.104	44.475	-0.2955069	-0.143903	
7211	415 445	-0.3278	111.16	-20.376	43.718	-0.3310503	-0.162136	0.0033
7211	415 515	-0.4081	111.41	-20.911	42.196	-0.4001566	-0.164255	0.0011
7211	415 530		111.53	-21.173	41.432	-0.4444336	-0.148141	
7211	415 545	-0.4792	111.66	-21.431	40.665	-0.4760627	-0.125691	-0.0031
7211	415 615	-0.5191	111.92	-21.938	39.122	-0.5230700	-0.077130	0.0040
7211	415 630		112.05	-22.185	38.347	-0.5378045	-0.051019	
7211	415 645	-0.5493	112.18	-22.430	37.578	-0.5467024	-0.025920	-0.0026
7211	415 715	-0.5484	112.45	-22.906	36.087	-0.5488289	0.014545	0.0004
7211	415 730		112.59	-23.139	35.221	-0.5436352	0.029911	
7211	415 745	-0.5353	112.73	-23.368	34.433	-0.5352644	0.042894	0.0008
7211	415 815	-0.5105	113.01	-23.614	32.850	-0.5110889	0.057006	0.0014
7211	415 830		113.15	-24.030	32.054	-0.4853265	0.059897	
7211	415 845	-0.4060	113.29	-24.243	31.256	-0.4401005	0.064411	-0.0019
7211	415 915	-0.4478	113.50	-24.635	29.652	-0.4407006	0.093026	0.0010
7211	415 930		113.70	-24.885	28.046	-0.4273667	0.117128	
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7211	4151015	-0.3118	114.17	-25.429	26.415	-0.3116269	0.214232	-0.0002
7211	4151030		114.32	-25.611	25.680	-0.2772257	0.253304	
7211	4151045	-0.1946	114.47	-25.788	24.782	-0.1940526	0.290129	0.0003
7211	4151115	-0.0404	114.70	-26.139	23.140	-0.0401034	0.340392	-0.0003
7211	4151130		114.93	-26.294	22.316	0.0321737	0.353030	
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7211	4151215	0.2782	115.40	-26.757	19.830	0.2787256	0.346091	-0.0005
7211	4151230		115.56	-26.901	18.990	0.3564096	0.327350	
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7211	4151315	0.5550	116.03	-27.305	16.488	0.5606428	0.263344	-0.0056
7211	4151330		116.19	-27.430	15.648	0.6191747	0.243037	
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7211	4151415	0.7629	116.67	-27.774	13.118	0.7640892	0.167377	-0.0011
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7211	4151445	0.8247	116.99	-27.978	11.423	0.8259434	0.100723	-0.0012

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7211 4151530		117.48	-28.245	8.871	0.8694127	0.032850	
7211 4151545	0.8767	117.65	-28.323	8.018	0.8753592	0.018878	0.0013
7211 4151615	0.8761	117.97	-28.464	6.309	0.8782910	-0.005352	-0.0022
7211 4151630		118.14	-28.526	5.453	0.8758478	-0.015610	
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7211 4151715	0.8542	118.63	-28.681	2.881	0.8540149	-0.048902	0.0002
7211 4151910		119.90	-28.856	-3.711	0.6654114	-0.173755	
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7211 4152150		121.67	-28.570	-12.860	0.0373549	-0.311016	
7211 41522 5	-0.0349	121.83	-28.512	-13.714	-0.0350089	-0.315315	0.0001
7211 4152235	-0.1781	122.16	-28.380	-15.417	-0.1810296	-0.315343	0.0029
7211 4152250		122.32	-28.306	-16.267	-0.2533682	-0.311076	
7211 41523 5	-0.3278	122.48	-28.227	-17.115	-0.3243585	-0.303062	-0.0034
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7211 4152950		126.58	-24.254	-39.275	-0.0408515	0.425206	
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7211 4153050		127.12	-23.394	-42.407	0.2441403	0.167358	
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7211 4153135	0.2870	127.52	-22.708	-44.727	0.2893532	-0.014347	-0.0024
7211 4153150		127.65	-22.473	-45.495	0.2822199	-0.044978	
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7211 4153450		129.09	-19.381	-54.499	0.2931060	0.031747	
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7211 4154145	0.4488	131.49	-10.817	-73.945	0.4499049	0.030449	-0.0011
7211 4154215	0.4539	131.60	-10.142	-75.293	0.4538541	-0.015929	0.0000
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7211 4154245	0.4353	131.71	-9.462	-76.636	0.4329196	-0.076372	0.0024
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7211 4154615	-0.2707	132.24	-4.584	-85.907	-0.2712619	-0.210473	0.0006
7211 4154630		132.26	-4.229	-86.562	-0.3178948	-0.193335	
7211 4154645	-0.3606	132.29	-3.875	-87.217	-0.3603714	-0.174254	-0.0002
7211 4154715	-0.4298	132.32	-3.163	-88.525	-0.4306280	-0.128385	0.0008
7211 4154730		132.33	-2.807	-89.179	-0.4572219	-0.101597	
7211 4154745	-0.4786	132.34	-2.451	-89.832	-0.4775037	-0.074425	-0.0011
7211 4154815	-0.4994	132.36	-1.737	-91.137	-0.5002897	-0.025485	0.0009
7211 4154830		132.36	-1.379	-91.789	-0.5036255	-0.003717	
7211 4154845	-0.5033	132.37	-1.022	-92.440	-0.5021055	0.016753	-0.0012
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7211 4154930		132.36	0.052	-94.396	-0.4704815	0.073383	
7211 4154945	-0.4535	132.36	0.409	-95.047	-0.4514638	0.091545	-0.0020
7211 4155015	-0.3991	132.34	1.125	-96.351	-0.4002994	0.130738	0.0012
7211 4155030		132.32	1.482	-97.003	-0.3677108	0.151770	
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7211 4155130		132.25	2.910	-99.613	-0.2001595	0.197813	
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7211 4155215	-0.0551	132.18	3.977	-101.575	-0.0596688	0.210712	0.0046
7211 4155230		132.15	4.332	-102.230	-0.0101384	0.218729	
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7211 4155315	0.1497	132.05	5.393	-104.200	0.1477158	0.232946	0.0020
7211 4155330		132.01	5.745	-104.858	0.2014424	0.232074	
7211 4155345	0.2551	131.98	6.097	-105.517	0.2550414	0.233562	0.0001
7211 4155415	0.3673	131.89	6.798	-106.837	0.3676111	0.259106	-0.0003
7211 4155430		131.84	7.147	-107.499	0.4300550	0.283162	
7211 4155445	0.4980	131.80	7.495	-108.161	0.47979257	0.301814	0.0001
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7211 4183954	-0.6552	107.87	12.828	108.814	-0.6551849	0.622577	0.0000
7211 4184024	-0.4458	107.75	12.156	107.411	-0.4462088	0.340122	0.0004
7211 4184039		107.69	11.817	106.711	-0.3707049	0.328092	
7211 4184054	-0.2941	107.63	11.476	106.014	-0.2922342	0.348599	-0.0019
7211 4184124	-0.1287	107.53	10.790	104.624	-0.1331801	0.326361	0.0045
7211 4184139		107.48	10.444	103.931	-0.0623403	0.283576	
7211 4184154	-0.0103	107.43	10.097	103.240	-0.0026388	0.235754	-0.0077

7211	4184224	0.0990	107.34	9.399	101.862	0.0900103	0.172901	0.0090	7211	419 754	-0.5349	113.91	-24.090	29.890	-0.5419284	0.090906	0.0070
7211	4184239		107.30	9.048	101.175	0.1279980	0.157891		7211	419 8 0		114.06	-24.301	29.092	-0.5164354	0.131807	
7211	4184254	0.1587	107.26	8.695	100.489	0.1632622	0.147495	-0.0046	7211	419 824	-0.4871	114.21	-24.503	28.291	-0.4808784	0.175359	-0.0062
7211	4184324	0.2233	107.19	7.987	99.122	0.2256138	0.121445	-0.0023	7211	41910 9		115.30	-25.835	22.617	-0.0521046	0.303788	
7211	4184339		107.16	7.631	98.440	0.2518874	0.105786		7211	4191154	0.4005	116.42	-26.936	16.834	0.3974018	0.240078	0.0031
7211	4184354	0.2756	107.13	7.274	97.759	0.2740545	0.084912	0.0015	7211	4191224	0.4999	116.75	-27.208	15.163	0.5010869	0.208062	-0.0012
7211	4184424	0.3047	107.08	6.556	96.400	0.2989182	0.016984	0.0058	7211	4191239		116.92	-27.336	14.325	0.5470534	0.189742	
7211	4184439		107.06	6.196	95.722	0.2975733	-0.030086		7211	4191254	0.5852	117.08	-27.459	13.485	0.5883538	0.167053	-0.0032
7211	4184454	0.2773	107.03	5.836	95.045	0.2848688	-0.079324	-0.0076	7211	4191324	0.6532	117.41	-27.690	11.800	0.6510965	0.099917	0.0021
7211	4184524	0.2299	107.00	5.111	93.693	0.2278170	-0.164960	0.0021	7211	4191339		117.58	-27.798	10.956	0.6691781	0.055457	
7211	4184539		106.99	4.748	93.019	0.1854342	-0.201349		7211	4191354	0.6718	117.74	-27.901	10.110	0.6770828	0.015886	-0.0053
7211	4184554	0.1372	106.97	4.385	92.345	0.1353527	-0.231377	0.0018	7211	4191424	0.6913	118.07	-28.091	8.413	0.6752692	-0.012439	0.0160
7211	4184624	0.0174	106.96	3.655	90.999	0.0191622	-0.266386	-0.0018	7211	4191439		118.24	-28.178	7.563	0.6733724	-0.001159	
7211	4184639		106.95	3.290	90.327	-0.0430947	-0.271350		7211	4191454	0.6505	118.41	-28.260	6.712	0.6748077	0.011106	-0.0243
7211	4184654	-0.1033	106.95	2.924	89.655	-0.1051700	-0.264035	0.0019	7211	4191524	0.7010	118.74	-28.409	5.006	0.6775345	-0.009279	0.0235
7211	4184724	-0.2178	106.95	2.191	88.313	-0.2149643	-0.200791	-0.0028	7211	4191539		118.91	-28.475	4.151	0.6719065	-0.041958	
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7211	4184824	-0.2939	106.98	0.722	85.633	-0.2950913	0.020730	0.0012	7211	4191639		119.59	-28.686	0.726	0.5835217	-0.122936	
7211	4184839		106.99	0.355	84.963	-0.2851754	0.064155		7211	4191654	0.5600	119.75	-28.725	-0.133	0.5548546	-0.126700	0.0051
7211	4184854	-0.2678	107.00	-0.012	84.293	-0.2661725	0.098555	-0.0016	7211	4191724	0.4969	120.09	-28.788	-1.850	0.4909241	-0.154824	0.0060
7211	4184924	-0.2127	107.04	-0.748	82.954	-0.2112895	0.131143	-0.0014	7211	4191739		120.26	-28.811	-2.709	0.4524845	-0.179199	
7211	4184939		107.06	-1.116	82.284	-0.1809805	0.129309		7211	4191754	0.4003	120.42	-28.829	-3.568	0.4082044	-0.203455	-0.0079
7211	4184954	-0.1461	107.08	-1.483	81.614	-0.1517296	0.125649	0.0056	7211	4191824	0.3047	120.76	-28.848	-5.287	0.3068731	-0.230804	-0.0022
7211	4185024	-0.0942	107.14	-2.217	80.274	-0.0908687	0.143624	-0.0033	7211	4191839		120.93	-28.849	-6.146	0.2530767	-0.233883	
7211	4185039		107.17	-2.584	79.603	-0.0553605	0.165276		7211	4191854	0.2072	121.09	-28.845	-7.005	0.1990117	-0.235433	0.0082
7211	4185054	-0.0208	107.20	-2.950	78.932	-0.0144583	0.188349	-0.0063	7211	4191924	0.0820	121.43	-28.821	-8.722	0.0874401	-0.250571	-0.0054
7211	4185124	0.0867	107.27	-3.681	77.589	0.0801653	0.217857	0.0065	7211	4191939		121.60	-28.801	-9.580	0.0280773	-0.264167	
7211	4185324		107.65	-6.580	72.190	0.4410267	0.113673		7211	4191954	-0.0334	121.76	-28.775	-10.438	-0.0346266	-0.279169	0.0012
7211	4185324	0.4858	108.15	-9.420	66.732	0.4889119	-0.008587	-0.0031	7211	4192024	-0.1685	122.09	-28.708	-12.151	-0.1696090	-0.305657	0.0013
7211	4185554	0.4851	108.30	-10.117	65.355	0.4886423	0.010746	-0.0035	7211	4192039		122.26	-28.667	-13.006	-0.2417501	-0.317140	
7211	41856 9		108.38	-10.464	64.664	0.4930097	0.027908		7211	4192054	-0.3195	122.42	-28.620	-13.861	-0.3158934	-0.324315	-0.0036
7211	4185624	0.5120	108.46	-10.809	63.972	0.5008101	0.035789	0.0112	7211	4192124	-0.4599	122.75	-28.510	-15.567	-0.4649383	-0.316397	0.0050
7211	4185654	0.5056	108.62	-11.494	62.583	0.5082963	-0.019053	-0.0027	7211	4192139		122.92	-28.447	-16.418	-0.5364096	-0.301290	
7211	41857 9		108.71	-11.835	61.886	0.4971013	-0.081821		7211	4192154	-0.6068	123.07	-28.379	-17.268	-0.6038473	-0.283671	-0.0030
7211	4185724	0.4656	108.79	-12.173	61.188	0.4703208	-0.147330	-0.0047	7211	4192224	-0.7277	123.40	-28.227	-18.965	-0.7279530	-0.255538	0.0003
7211	4185754	0.3829	108.97	-12.845	59.786	0.3817112	-0.224558	0.0012	7211	4192239		123.56	-28.143	-19.811	-0.7857112	-0.245030	
7211	41858 9		109.06	-13.178	59.082	0.3281537	-0.236242		7211	4192254	-0.8459	123.72	-28.054	-20.655	-0.8409973	-0.233446	-0.0049
7211	4185824	0.2753	109.16	-13.509	58.376	0.2734038	-0.238046	0.0019	7211	4192324	-0.9294	124.04	-27.861	-22.340	-0.9409748	-0.196623	0.0116
7211	4185854	0.1627	109.35	-14.165	56.960	0.1636297	-0.236305	-0.0009	7211	4192339		124.20	-27.757	-23.179	-0.9835574	-0.171374	
7211	41859 9		109.45	-14.490	56.248	0.1094298	-0.232756		7211	4192354	-1.0228	124.35	-27.648	-24.017	-1.0202105	-0.147578	-0.0026
7211	4185924	0.0573	109.55	-14.813	55.535	0.0564533	-0.225526	0.0008	7211	4192424	-1.0947	124.66	-27.415	-25.688	-1.0813462	-0.122205	-0.0134
7211	4185954	-0.0440	109.76	-15.451	54.102	-0.0413171	-0.194288	-0.0027	7211	4192439		124.82	-27.291	-26.520	-1.1092463	-0.120641	0.0103
7211	419 0 9		109.87	-15.767	53.383	-0.0835228	-0.170270		7211	4192454	-1.1266	124.97	-27.162	-27.350	-1.1368611	-0.116704	
7211	419 024	-0.1164	109.97	-16.081	52.661	-0.1197279	-0.143606	0.0033	7211	4192639		126.03	-26.127	-33.100	-1.1080489	0.251811	
7211	419 054	-0.1763	110.19	-16.700	51.211	-0.1738478	-0.091609	-0.0025	7211	4192824	-0.4095	127.02	-24.872	-38.733	-0.4048971	0.468536	-0.0046
7211	419 1 9		110.31	-17.006	50.483	-0.1918671	-0.065076		7211	4192854	-0.2090	127.29	-24.475	-40.319	-0.2096272	0.365125	0.0006
7211	419 124	-0.2018	110.42	-17.310	49.752	-0.2043628	-0.045212	0.0026	7211	41929 9		127.43	-24.270	-41.108	-0.1341045	0.285820	
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7211	419 224	-0.2474	110.90	-18.496	46.806	-0.2491470	-0.079421	0.0017	7211	41930 9		127.96	-23.412	-44.238	-0.0054287	0.023344	
7211	419 254	-0.2953	111.14	-19.072	45.319	-0.2975757	-0.131926	0.0023	7211	4193024	-0.0054	128.08	-23.188	-45.014	-0.0044272	-0.012286	-0.0010
7211	419 3 9		111.27	-19.355	44.572	-0.3314363	-0.161689		7211	4193054	-0.0171	128.33	-22.729	-46.557	-0.0188700	-0.040764	0.0018
7211	419 324	-0.3774	111.40	-19.635	43.822	-0.3718440	-0.186567	-0.0056	7211	41931 9		128.46	-22.494	-47.324	-0.0277306	-0.033585	
7211	419 354	-0.4567	111.66	-20.187	42.315	-0.4629792	-0.200195	0.0063	7211	4193124	-0.0372	128.58	-22.255	-48.089	-0.0336711	-0.017224	-0.0035
7211	419 4 9		111.79	-20.457	41.558	-0.5081452	-0.188922		7211	4193154	-0.0255	128.82	-21.767	-49.611	-0.0318524	0.027842	0.0064
7211	419 424	-0.5536	111.92	-20.725	40.798	-0.5494182	-0.167446	-0.0042	7211	41932 9		128.94	-21.518	-50.367	-0.0221858	0.056554	
7211	419 454	-0.6115	112.19	-21.250	39.271	-0.6122919	-0.099335	0.0008	7211	4193224	-0.0105	129.05	-21.266	-51.121	-0.0060644	0.081138	-0.0044
7211	419 5 9		112.33	-21.507	38.503	-0.6300079	-0.052683		7211	4193254	0.0346	129.28	-20.751	-52.621	0.0361146	0.093366	-0.0015
7211	419 524	-0.6360	112.47	-21.761	37.733	-0.6368167	-0.008562	0.0008	7211	41933 9		129.48	-20.489	-53.367	0.0564857	0.080987	
7211	419 554	-0.6292	112.75	-22.257	36.185	-0.6275870	0.039636	-0.0016	7211	4193324	0.0775	129.59	-20.223	-54.111	0.0732219	0.064899	0.0043
7211	419 6 9		112.89	-22.500	35.407	-0.6177077	0.043687		7211	4193354	0.0969	129.72	-19.684	-55.590	0.09838		

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7211	4193554	0.1981	130.51	-17.411	-61.404	0.1999942	0.073730	0.0071
7211	41936 9		130.60	-17.116	-62.119	0.2103704	0.095103	
7211	4193624	0.2292	130.69	-16.817	-62.833	0.2348622	0.116012	-0.0057
7211	41937 9	0.2948	130.86	-16.213	-64.253	0.2942454	0.136488	0.0006
7211	4193724	0.3582	130.95	-15.908	-64.959	0.3258533	0.136041	
7211	4193754	0.4087	131.02	-15.600	-65.664	0.3565508	0.129061	0.0016
7211	41938 9		131.18	-14.978	-67.066	0.4097081	0.097250	-0.0010
7211	4193824	0.4472	131.26	-14.664	-67.763	0.4294140	0.072407	
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7211	41939 9		131.47	-13.709	-69.845	0.4577096	0.019487	-0.0075
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7211	4194024	0.4563	131.79	-12.082	-73.277	0.4744302	0.012265	
7211	4194054	0.4852	131.84	-11.751	-73.958	0.4769499	0.008667	-0.0206
7211	41941 9		131.95	-11.085	-75.315	0.4763475	-0.014920	0.0089
7211	4194124	0.4612	132.01	-10.750	-75.991	0.4706973	-0.034921	
7211	4194154	0.4205	132.05	-10.413	-76.666	0.4600013	-0.057874	0.0012
7211	4194324		132.14	-9.735	-78.010	0.4224209	-0.105244	-0.0019
7211	4194454	-0.2321	132.37	-7.674	-82.012	0.1722207	-0.258898	
7211	4194524	-0.3506	132.51	-5.576	-85.975	-0.2330790	-0.279016	0.0010
7211	4194539		132.55	-4.871	-87.289	-0.3500725	-0.222534	-0.0005
7211	4194554	-0.4354	132.57	-4.517	-87.944	-0.3969878	-0.182423	
7211	4194624	-0.4836	132.57	-4.163	-88.600	-0.4342407	-0.141539	-0.0012
7211	4194639		132.58	-3.453	-89.909	-0.4840844	-0.078571	0.0005
7211	4194654	-0.5066	132.60	-3.097	-90.562	-0.4995608	-0.056498	
7211	4194724	-0.5251	132.59	-2.741	-91.216	-0.5103694	-0.036995	0.0038
7211	4194739		132.59	-2.028	-92.521	-0.5178021	0.005588	-0.0073
7211	4194754	-0.5022	132.58	-1.671	-93.172	-0.5138689	0.028670	
7211	4194824	-0.4629	132.58	-1.313	-93.825	-0.5045540	0.051949	0.0024
7211	4194839		132.56	-0.598	-95.128	-0.4702206	0.096284	0.0073
7211	4194854	-0.4232	132.55	-0.241	-95.779	-0.4455379	0.117338	
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7211	4194939		132.49	0.832	-97.735	-0.3454838	0.167829	-0.0026
7211	4194954	-0.2570	132.48	1.189	-98.386	-0.3053202	0.179552	
7211	4195024	-0.1725	132.44	1.547	-99.038	-0.2627528	0.189155	0.0058
7211	4195039		132.39	2.261	-100.343	-0.1718819	0.203391	-0.0006
7211	4195054	-0.0763	132.37	2.618	-100.995	-0.1243416	0.205420	
7211	4195124	0.0165	132.33	2.974	-101.649	-0.0759934	0.210703	-0.0003
7211	4195139		132.25	3.686	-102.957	0.0213237	0.209390	-0.0048
7211	4195154	0.1232	132.22	4.041	-103.611	0.0692641	0.205391	
7211	4195224	0.2084	132.17	4.395	-104.267	0.1162892	0.203207	0.0069
7211	4195239		132.09	5.103	-105.579	0.2122501	0.216399	-0.0039
7211	4195254	0.3198	132.05	5.455	-106.236	0.2638920	0.231785	
7211	4195324	0.4286	131.99	5.808	-106.895	0.3189360	0.242982	0.0009
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CONFAC = 1.083000

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7211	4223744	-1.2302	107.63	14.900	111.225	-1.2302094	0.635773	0.0000
7211	4223814	-0.9654	107.51	14.252	109.797	-0.9651483	0.523260	-0.0003
7211	4223829		107.45	13.924	109.086	-0.8483617	0.491276	
7211	4223844	-0.7366	107.39	13.595	108.376	-0.7377139	0.467373	0.0011
7211	4223914	-0.5348	107.29	12.930	106.964	-0.5329845	0.419500	-0.0018
7211	4223929		107.23	12.595	106.260	-0.4389133	0.395530	
7211	4223944	-0.3499	107.19	12.258	105.558	-0.3504126	0.371086	0.0005
7211	4224014	-0.1888	107.10	11.579	104.160	-0.1908735	0.319421	0.0021
7211	4224029		107.05	11.237	103.463	-0.1202624	0.292200	
7211	4224044	-0.0587	107.02	10.893	102.768	-0.0559757	0.264913	-0.0027
7211	4224114	0.0550	106.94	10.201	101.383	0.0541603	0.212726	0.0008
7211	4224129		106.91	9.852	100.692	0.1003766	0.187825	
7211	4224144	0.1424	106.88	9.502	100.003	0.1409212	0.163521	0.0015
7211	4224214	0.2027	106.83	8.799	98.629	0.2054091	0.116106	-0.0027
7211	4224229		106.80	8.445	97.944	0.2295361	0.092997	
7211	4224244	0.2503	106.78	8.090	97.260	0.2481973	0.067983	0.0021
7211	4224314	0.2651	106.74	7.377	95.896	0.2657695	0.005336	-0.0007
7211	4224329		106.73	7.019	95.216	0.2627386	-0.032297	
7211	4224344	0.2518	106.72	6.660	94.536	0.2507774	-0.070986	0.0010
7211	4224414	0.1983	106.70	5.939	93.181	0.2012710	-0.142080	-0.0030
7211	4224429		106.69	5.578	92.504	0.1646925	-0.174486	
7211	4224444	0.1247	106.69	5.215	91.828	0.1211485	-0.201246	0.0036
7211	4224514	0.0187	106.69	4.488	90.479	0.0208368	-0.227172	-0.0021
7211	4224529		106.69	4.124	89.806	-0.0316845	-0.226339	
7211	4224544	-0.0823	106.70	3.759	89.133	-0.0828212	-0.214612	0.0005
7211	4224614	-0.1694	106.72	3.027	87.788	-0.1697078	-0.153388	0.0003
7211	4224629		106.73	2.661	87.117	-0.1996451	-0.103891	
7211	4224644	-0.2177	106.75	2.294	86.446	-0.2174134	-0.051030	-0.0003
7211	4224714	-0.2201	106.78	1.560	85.105	-0.2197260	0.037104	-0.0004
7211	4224729		106.80	1.192	84.435	-0.2069770	0.072377	
7211	4224744	-0.1857	106.83	0.825	83.765	-0.1869182	0.099759	0.0012
7211	4224814	-0.1351	106.88	0.089	82.426	-0.1335631	0.124761	-0.0015
7211	4224829		106.91	-0.279	81.756	-0.1048470	0.122381	
7211	4224844	-0.0768	106.95	-0.646	81.086	-0.0772499	0.117559	0.0004
7211	4224914	-0.0212	107.02	-1.382	79.747	-0.0224890	0.123022	0.0013
7211	4224929		107.06	-1.749	79.077	0.0069997	0.133307	
7211	4224944	0.0374	107.10	-2.116	78.406	0.0387959	0.140208	-0.0014
7211	4225014	0.1005	107.19	-2.849	77.065	0.1003556	0.118599	0.0001
7211	4225029		107.24	-3.215	76.394	0.1246623	0.090088	
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7211	4225114	0.1699	107.40	-4.310	74.377	0.1679990	0.059146	0.0019
7211	4225129		107.46	-4.674	73.704	0.1838615	0.080964	
7211	4225144	0.2037	107.52	-5.037	73.030	0.2058215	0.108540	-0.0021
7211	4225214	0.2664	107.64	-5.761	71.679	0.2662132	0.150045	0.0002
7211	4225229		107.71	-6.122	71.003	0.3025448	0.163974	
7211	4225244	0.3432	107.78	-6.482	70.326	0.3415077	0.172587	0.0017
7211	4225314	0.4206	107.92	-7.199	68.969	0.4218884	0.171567	-0.0013
7211	4225429		108.31	-8.974	65.557	0.5716364	0.062573	
7211	4225544	0.5401	108.75	-10.716	62.114	0.5396207	-0.115849	0.0005
7211	4225614	0.4710	108.94	-11.402	60.727	0.4704329	-0.183520	0.0006
7211	4225629		109.04	-11.743	60.031	0.4242449	-0.216564	
7211	4225644	0.3689	109.14	-12.082	59.333	0.3708695	-0.244150	-0.0020
7211	4225714	0.2523	109.34	-12.754	57.933	0.2510093	-0.268160	0.0013
7211	4225729		109.45	-13.088	57.230	0.1893202	-0.264584	
7211	4225744	0.1300	109.55	-13.419	56.525	0.1293479	-0.254617	0.0007
7211	4225814	0.0159	109.77	-14.077	55.110	0.0176880	-0.227497	-0.0018
7211	4225829		109.88	-14.402	54.400	-0.0328937	-0.210344	
7211	4225844	-0.0790	110.00	-14.725	53.688	-0.0791605	-0.189770	0.0002
7211	4225914	-0.1520	110.23	-15.365	52.257	-0.1548807	-0.135286	0.0029

7211 4225929		110.35	-15.682	51.539	-0.1822817	-0.101375		7211 4232429		126.16	-27.091	-29.912	-0.8976823	0.021057
7211 4225944	-0.2048	110.47	-15.996	50.818	-0.2019149	-0.070469	-0.0029	7211 4232444	-0.8904	126.31	-26.954	-30.738	-0.8874927	0.068292
7211 423 014	-0.2258	110.72	-16.617	49.370	-0.2258107	-0.046017	0.0000	7211 4232514	-0.8302	126.60	-26.667	-32.383	-0.8307078	0.181968
7211 423 029		110.84	-16.923	48.643	-0.2348998	-0.040472		7211 4232529		126.74	-26.516	-33.203	-0.7811569	0.248409
7211 423 044	-0.2442	110.97	-17.227	47.914	-0.2452195	-0.050330	0.0010	7211 4232544	-0.7151	126.89	-26.361	-34.020	-0.7162606	0.311753
7211 423 114	-0.2771	111.23	-17.828	46.448	-0.2775041	-0.095094	0.0004	7211 4232614	-0.5506	127.18	-26.037	-35.646	-0.5498697	0.400656
7211 423 129		111.36	-18.123	45.711	-0.3033238	-0.130000		7211 4232629		127.31	-25.868	-36.456	-0.4541900	0.426214
7211 423 144	-0.3382	111.49	-18.417	44.973	-0.3374869	-0.164442	-0.0007	7211 4232644	-0.3536	127.46	-25.695	-37.264	-0.3542869	0.436283
7211 423 214	-0.4249	111.76	-18.994	43.488	-0.4243087	-0.205483	-0.0006	7211 4232714	-0.1597	127.73	-25.335	-38.871	-0.1581165	0.401272
7211 423 229		111.90	-19.278	42.742	-0.4726827	-0.212082		7211 4232729		127.86	-25.149	-39.671	-0.0703364	0.356191
7211 423 244	-0.5205	112.04	-19.559	41.993	-0.5213649	-0.207529	0.0009	7211 4232744	0.0074	128.00	-24.959	-40.468	0.0054870	0.300155
7211 423 314	-0.6080	112.32	-20.112	40.489	-0.6080584	-0.159344	0.0001	7211 4232814	0.1152	128.26	-24.565	-42.055	0.1162921	0.177501
7211 423 329		112.46	-20.384	39.733	-0.6400560	-0.115713		7211 4232829		128.39	-24.363	-42.844	0.1496450	0.110882
7211 423 344	-0.6610	112.60	-20.652	38.975	-0.6611695	-0.068038	0.0002	7211 4232844	0.1675	128.52	-24.156	-43.631	0.1679363	0.050140
7211 423 414	-0.6748	112.90	-21.179	37.450	-0.6732313	0.012494	-0.0016	7211 4232914	0.1732	128.77	-23.730	-45.196	0.1712738	-0.025494
7211 423 429		113.04	-21.437	36.684	-0.6664598	0.045351		7211 4232929		128.89	-23.512	-45.975	0.1633759	-0.040387
7211 423 444	-0.6510	113.19	-21.692	35.915	-0.6528120	0.071471	0.0018	7211 4232944	0.1513	129.02	-23.289	-46.751	0.1536866	-0.041522
7211 423 514	-0.6130	113.49	-22.190	34.370	-0.6123538	0.098104	-0.0006	7211 4233014	0.1417	129.26	-22.833	-48.295	0.1405813	-0.007095
7211 423 529		113.64	-22.434	33.594	-0.5894842	0.098616		7211 4233029		129.37	-22.600	-49.063	0.1428128	0.028468
7211 423 544	-0.5672	113.79	-22.674	32.815	-0.5671462	0.094950	-0.0001	7211 4233044	0.1557	129.49	-22.363	-49.828	0.1536065	0.062499
7211 423 614	-0.5254	114.10	-23.142	31.249	-0.5249070	0.088149	-0.0005	7211 4233114	0.1866	129.72	-21.878	-51.350	0.1899351	0.084680
7211 423 629		114.26	-23.371	30.462	-0.5049239	0.085014		7211 4233129		129.82	-21.631	-52.107	0.2084092	0.072830
7211 423 644	-0.4834	114.42	-23.595	29.673	-0.4852639	0.086998	0.0019	7211 4233144	0.2188	129.94	-21.380	-52.862	0.2232914	0.057498
7211 423 714	-0.4420	114.73	-24.032	28.087	-0.4387641	0.121146	-0.0032	7211 4233214	0.2544	130.15	-20.868	-54.362	0.2472470	0.051832
7211 423 729		114.89	-24.244	27.290	-0.4072799	0.153310		7211 4233229		130.25	-20.607	-55.109	0.2601672	0.061497
7211 423 744	-0.3641	115.05	-24.452	26.491	-0.3675717	0.190831	0.0035	7211 4233244	0.2831	130.35	-20.344	-55.852	0.2758809	0.074306
7211 423 814	-0.2640	115.37	-24.856	24.885	-0.2617930	0.267838	-0.0022	7211 4233314	0.3053	130.55	-19.807	-57.332	0.3149976	0.093784
7211 423 829		115.53	-25.051	24.078	-0.1954203	0.307311		7211 4233529		131.34	-17.250	-63.866	0.5243718	0.080151
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7211 4231044	0.5027	117.03	-26.606	16.714	-0.5040002	0.271455	-0.0013	7211 4233944	0.5706	132.41	-11.903	-75.710	0.5651268	-0.036640
7211 4231114	0.6138	117.36	-26.899	15.054	-0.6167198	0.215067	-0.0029	7211 4234014	0.5348	132.50	-11.239	-77.067	0.5371118	-0.094348
7211 4231129		117.53	-27.039	14.221	-0.6627010	0.182870		7211 4234029		132.53	-10.904	-77.744	0.5097800	-0.144861
7211 4231144	0.7008	117.70	-27.174	13.387	-0.7012517	0.152031	-0.0005	7211 4234044	0.4701	132.58	-10.568	-78.418	0.4700482	-0.197767
7211 4231214	0.7640	118.04	-27.428	11.712	-0.7601032	0.106503	0.0039	7211 4234114	0.3575	132.65	-9.892	-79.764	0.3595171	-0.274618
7211 4231229		118.21	-27.548	10.871	-0.7828894	0.091815		7211 4234129		132.67	-9.552	-80.434	0.2931747	-0.298563
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7211 4231314	0.8273	118.73	-27.877	8.342	-0.8330604	0.051706	-0.0058	7211 4234214	0.0711	132.76	-8.525	-82.437	0.0719810	-0.332406
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7211 4231714	0.4976	121.47	-28.833	-5.317	-0.5035191	-0.215632	-0.0059	7211 4234314	-0.2291	132.83	-7.139	-85.092	-0.2296857	-0.309760
7211 4231729		121.64	-28.848	-6.176	-0.4525954	-0.225371		7211 4234329		132.84	-6.790	-85.753	-0.2994350	-0.293876
7211 4231744	0.3971	121.81	-28.856	-7.034	-0.3995326	-0.234293	-0.0024	7211 4234344	-0.3653	132.85	-6.441	-86.413	-0.3651561	-0.275307
7211 4231814	0.2898	122.15	-28.858	-8.750	-0.2874772	-0.250843	0.0023	7211 4234414	-0.4833	132.87	-5.739	-87.730	-0.4829658	-0.234151
7211 4231829		122.31	-28.850	-9.608	-0.2286839	-0.258470		7211 4234429		132.87	-5.387	-88.388	-0.5344360	-0.211564
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7211 4231914	0.0415	122.82	-28.796	-12.180	-0.0406671	-0.286433	0.0008	7211 4234514	-0.6543	132.87	-4.327	-90.355	-0.6525304	-0.123343
7211 4231929		122.98	-28.767	-13.036	-0.0267983	-0.298300		7211 4234529		132.86	-3.972	-91.010	-0.6767413	-0.085737
7211 4231944	-0.0992	123.15	-28.733	-13.892	-0.0968224	-0.307181	-0.0024	7211 4234544	-0.6911	132.86	-3.617	-91.664	-0.6921455	-0.048547
7211 4232014	-0.2370	123.48	-28.648	-15.600	-0.2388395	-0.303207	0.0018	7211 4234614	-0.6993	132.84	-2.906	-92.971	-0.7000452	0.011037
7211 4232029		123.64	-28.598	-16.453	-0.3074874	-0.290351		7211 4234629		132.82	-2.549	-93.624	-0.6948180	0.033430
7211 4232044	-0.3717	123.81	-28.542	-17.305	-0.3726241	-0.274054	0.0009	7211 4234644	-0.6866	132.81	-2.193	-94.276	-0.6847820	0.053604
7211 4232114	-0.4954	124.13	-28.415	-19.006	-0.4918202	-0.242545	-0.0036	7211 4234714	-0.6491	132.78	-1.478	-95.580	-0.6504551	0.095429
7211 4232129		124.29	-28.344	-19.854	-0.5460468	-0.227334		7211 4234729		132.75	-1.121	-96.232	-0.6259368	0.117080
7211 4232144	-0.5951	124.45	-28.267	-20.701	-0.5967868	-0.212264	0.0017	7211 4234744	-0.5961	132.73	-0.763	-96.883	-0.5964894	0.137590
7211 4232214	-0.6849	124.77	-28.099	-22.391	-0.6877843	-0.181884	0.0029	7211 4234814	-0.5272	132.67	-0.048	-98.186	-0.5249920	0.170287
7211 4232229		124.93	-28.007	-23.234	-0.7280048	-0.166573		7211 4234829		132.64	0.310	-98.837	-0.4842229	0.182473
7211 4232244	-0.7669	125.09	-27.910	-24.075	-0.7646670	-0.150990	-0.0022	7211 4234844	-0.4389	132.61	0.667	-99.488	-0.4409714	0.191751
7211 4232314	-0.8299	125.40	-27.700	-25.752	-0.8269304	-0.118424	-0.0030	7211 4234914	-0.3497	132.54	1.383	-100.792	-0.3498002	0.201173
7211 4232329		125.55	-27.588	-26.588	-0.8523163	-0.101442		7211 4234929		132.49	1.740	-101.444	-0.3032860	0.201319
7211 4232344	-0.8699	125.71	-27.471	-27.422	-0.8734881	-0.080874	0.0036	7211 4234944	-0.2594	132.45	2.097	-102.096	-0.2569731	0.199933
7211 4232414	-0.8967	126.01	-27.222	-29.084	-0.8977188	-0.019624	0.0010	7211 4235014	-0.1617	132.36	2.811	-103.401	-0.1653172	0.197108

7211 4235029 132.31 3.167 -104.055 -0.1199825 0.195668
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7211 5 635 5	-1.1331	106.53	16.541	111.213	-1.1331080	0.490695	0.0000
7211 5 63535	-0.8998	106.43	15.917	109.759	-0.8995832	0.499728	-0.0002
7211 5 63550		106.38	15.601	109.036	-0.7885873	0.456520	
7211 5 636 5	-0.6885	106.34	15.283	108.315	-0.6894615	0.404906	0.0010
7211 5 63635	-0.5199	106.25	14.639	106.879	-0.5182885	0.346602	-0.0016
7211 5 63650		106.22	14.314	106.164	-0.4393287	0.339920	
7211 5 637 5	-0.3603	106.18	13.987	105.452	-0.3609801	0.338099	0.0007
7211 5 63735	-0.2079	106.12	13.327	104.032	-0.2085601	0.318677	0.0007
7211 5 63750		106.09	12.994	103.325	-0.1369184	0.301074	
7211 5 638 5	-0.0687	106.06	12.659	102.620	-0.0699429	0.278487	0.0012
7211 5 63835	0.0406	106.02	11.983	101.216	0.0456608	0.219164	-0.0051
7211 5 63850		106.00	11.643	100.516	0.0921087	0.182425	
7211 5 639 5	0.1345	105.98	11.300	99.818	0.1298435	0.145153	0.0047
7211 5 63935	0.1813	105.95	10.611	98.427	0.1816043	0.081496	-0.0003
7211 5 63950		105.94	10.264	97.734	0.1973035	0.055111	
7211 5 640 5	0.2059	105.94	9.916	97.043	0.2072343	0.031134	-0.0013
7211 5 64035	0.2101	105.93	9.215	95.664	0.2111673	-0.013317	-0.0011
7211 5 64050		105.93	8.853	94.977	0.2057069	-0.033791	
7211 5 641 5	0.1989	105.93	8.510	94.291	0.1955683	-0.054254	0.0033
7211 5 64135	0.1567	105.95	7.799	92.922	0.1604477	-0.098661	-0.0037
7211 5 64150		105.96	7.442	92.240	0.1349281	-0.122606	
7211 5 642 5	0.1073	105.97	7.084	91.559	0.1040128	-0.144352	0.0033
7211 5 64235	0.0279	106.00	6.365	90.199	0.0303139	-0.171214	-0.0024
7211 5 64250		106.02	6.004	89.521	-0.0099108	-0.176326	
7211 5 643 5	-0.0495	106.04	5.642	88.844	-0.0505022	-0.173768	0.0010
7211 5 64335	-0.1240	106.10	4.917	87.492	-0.1242702	-0.139264	0.0003
7211 5 64350		106.13	4.553	86.817	-0.1529223	-0.107314	
7211 5 644 5	-0.1735	106.16	4.189	86.142	-0.1735071	-0.071344	0.0000
7211 5 64435	-0.1918	106.23	3.458	84.796	-0.1907743	-0.004618	-0.0010
7211 5 64450		106.27	3.092	84.124	-0.1882567	0.026138	
7211 5 645 5	-0.1792	106.31	2.726	83.452	-0.1790555	0.052379	-0.0001
7211 5 64535	-0.1432	106.40	1.992	82.109	-0.1466747	0.083045	0.0035
7211 5 64550		106.45	1.625	81.438	-0.1268518	0.087467	
7211 5 646 5	-0.1122	106.50	1.258	80.768	-0.1062593	0.092327	-0.0059
7211 5 64635	-0.0512	106.61	0.522	79.428	-0.0569969	0.126515	0.0058
7211 5 64650		106.66	0.155	78.758	-0.0245597	0.155846	

7211 5 647 5	0.0118	106.72	-0.213	78.088	0.0146218	0.180871	-0.0028
7211 5 64735	0.1001	106.85	-0.948	76.748	0.1006543	0.180649	-0.0006
7211 5 64750		106.92	-1.316	76.078	0.1397678	0.155394	
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7211 5 64850		107.21	-2.783	73.396	0.2439422	0.094939	
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7211 5 64935	0.3166	107.45	-3.879	71.381	0.3195518	0.132569	-0.0030
7211 5 64950		107.53	-4.243	70.708	0.3528953	0.157301	
7211 5 650 5	0.3975	107.62	-4.607	70.035	0.3917327	0.176303	0.0058
7211 5 65035	0.4694	107.80	-5.332	68.686	0.4724535	0.161683	-0.0031
7211 5 65050		107.89	-5.694	68.011	0.5062364	0.128052	
7211 5 651 5	0.5295	107.99	-6.055	67.335	0.5312575	0.090308	-0.0018
7211 5 65135	0.5653	108.18	-6.774	65.981	0.5605363	0.042732	0.0048
7211 5 65150		108.29	-7.132	65.302	0.5690880	0.032903	
7211 5 652 5	0.5734	108.39	-7.489	64.622	0.5755337	0.020558	-0.0021
7211 5 65235	0.5682	108.60	-8.199	63.260	0.5715979	-0.047173	-0.0034
7211 5 65250		108.71	-8.553	62.577	0.5545888	-0.102567	
7211 5 653 5	0.5270	108.82	-8.905	61.893	0.5240639	-0.160338	0.0029
7211 5 65335	0.4317	109.05	-9.606	60.521	0.4285184	-0.247185	0.0032
7211 5 65350		109.17	-9.954	59.833	0.3679112	-0.276257	
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7211 5 65435	0.1641	109.53	-10.991	57.761	0.1622110	-0.302192	0.0019
7211 5 65450		109.65	-11.333	57.067	0.0936528	-0.289985	
7211 5 655 5	0.0304	109.78	-11.673	56.372	0.0287079	-0.272865	0.0017
7211 5 65535	-0.0930	110.03	-12.349	54.976	-0.0896823	-0.240397	-0.0033
7211 5 65550		110.17	-12.685	54.276	-0.1433993	-0.225049	
7211 5 656 5	-0.1883	110.30	-13.018	53.574	-0.1933638	-0.206843	0.0051
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7211 52239 5	-0.0959	104.54	7.778	84.918	-0.0978514	-0.088938	0.0020
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7211 52257 5	-0.8260	114.64	-17.473	35.563	-0.8241915	-0.413803	-0.0018	7211 5231935	-0.5089	132.02	-27.665	-37.731	-0.5083500	0.255446	-0.0005
7211 5225720		114.84	-17.771	34.833	-0.7218446	-0.469964		7211 5231950		132.16	-27.552	-38.561	-0.4512290	0.236621	
7211 5225735	-0.6066	115.04	-18.066	34.100	-0.6087309	-0.506560	0.0021	7211 52320 5	-0.3973	132.29	-27.435	-39.389	-0.3997788	0.209143	0.0025
7211 52258 5	-0.3700	115.44	-18.648	32.626	-0.3708024	-0.508245	0.0008	7211 5232035	-0.3175	132.56	-27.185	-41.038	-0.3166417	0.150107	-0.0009
7211 5225820		115.65	-18.935	31.886	-0.2569992	-0.473286		7211 5232050		132.70	-27.053	-41.860	-0.2855925	0.118547	
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7211 52259 5	0.0190	116.26	-19.776	29.652	-0.0159455	-0.306316	0.0031	7211 5232135	-0.2363	133.08	-26.629	-44.313	-0.2319016	0.043856	-0.0044
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7211 523 020		117.30	-21.115	25.879	-0.2213853	-0.125414		7211 5232250		133.67	-25.831	-48.356	-0.1724151	0.134328	
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7211 523 3 5	0.8326	119.62	-23.749	17.361	-0.8371616	-0.280661	-0.0046	7211 52343 0		134.34	-2.374	-105.691	0.2649182	0.062429	
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7211 523 335	0.9455	120.04	-24.177	15.780	-0.9328225	-0.133001	0.0127	7211 5234345	0.2897	134.03	-1.305	-107.645	0.2883595	0.019974	0.0013
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7211 523 420		120.67	-24.789	13.391	-0.9906464	-0.075359									
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7211 523 9 5	0.7480	124.62	-27.721	-2.197	-0.7395446	-0.191785	0.0085								
7211 523 935	0.6413	125.03	-27.928	-3.875	-0.6470332	-0.210266	-0.0057								
7211 523 950		125.23	-28.024	-4.717	-0.5971054	-0.222420									
7211 52310 5	0.5408	125.42	-28.115	-5.559	-0.5443294	-0.234815	-0.0035								
7211 5231035	0.4408	125.82	-28.281	-7.248	-0.4309660	-0.255319	0.0098								
7211 5231050		126.02	-28.356	-8.094	-0.3710355	-0.263425									
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7211 6 22925		-0.1620	103.74	19.617	108.858	-0.1616732	0.250883	-0.0003
7211 6 22940			103.70	19.334	108.103	-0.1046835	0.244755	
7211 6 22955		-0.0469	103.67	19.047	107.349	-0.04483520	0.242823	0.0015
7211 6 23025		0.0591	103.62	18.466	105.051	0.0616052	0.231955	-0.0025
7211 6 23040			103.59	18.170	105.106	0.1141538	0.223020	
7211 6 23055		0.1659	103.57	17.872	104.363	0.1645461	0.213790	0.0014
7211 6 23125		0.2606	103.54	17.268	102.884	0.2599308	0.200583	0.0007
7211 6 23140			103.53	16.961	102.149	0.3057321	0.196604	
7211 6 23155		0.3513	103.52	16.652	101.416	0.3502946	0.187373	0.0010
7211 6 23225		0.4215	103.51	16.027	99.956	0.4259424	0.132169	-0.0044
7211 6 23240			103.51	15.710	99.230	0.4513780	0.086205	
7211 6 23255		0.4671	103.51	15.392	98.506	0.4656118	0.038590	0.0015
7211 6 23325		0.4724	103.52	14.747	97.065	0.4662831	-0.029699	0.0061
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7211 6 23425		0.4077	103.59	13.432	94.208	0.4071770	-0.090198	0.0005
7211 6 23440			103.61	13.099	93.498	0.3852407	-0.099567	
7211 6 23455		0.3639	103.63	12.763	92.791	0.3613167	-0.107526	0.0026
7211 6 23525		0.3083	103.69	12.086	91.382	0.3084722	-0.120812	-0.0002
7211 6 23540			103.73	11.745	90.680	0.2799574	-0.126139	
7211 6 23555		0.2491	103.76	11.402	89.980	0.2504045	-0.129276	-0.0013
7211 6 23625		0.1907	103.85	10.712	88.586	0.1911606	-0.125031	-0.0005
7211 6 23640			103.89	10.364	87.891	0.1630878	-0.117652	
7211 6 23655		0.1400	103.94	10.015	87.197	0.1367714	-0.111208	0.0032
7211 6 23725		0.0813	104.05	9.313	85.815	0.0855054	-0.114462	-0.0042
7211 6 23740			104.10	8.960	85.126	0.0580724	-0.124157	
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7211 6 23825		-0.0243	104.29	7.894	83.067	-0.0292167	-0.111221	0.0049
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7211 6 23925		-0.0880	104.58	6.457	80.339	-0.0844520	-0.019330	-0.0035
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7211 6 24340			106.27	0.238	68.886	0.2525459	0.153718	
7211 6 24355		0.2899	106.39	-0.130	68.216	0.2859354	0.134775	0.0040
7211 6 24425		0.3387	106.64	-0.866	66.876	0.3370249	0.083587	0.0017
7211 6 24447			106.84	-1.418	65.871	0.3575914	0.033557	
7211 6 24510		0.3572	107.04	-1.969	64.866	0.3599995	-0.018735	-0.0028
7211 6 24555		0.3153	107.45	-3.069	62.854	0.3152445	-0.106863	0.0001
7211 6 24610			107.60	-3.435	62.183	0.2877066	-0.131363	
7211 6 24625		0.2553	107.74	-3.800	61.511	0.2546631	-0.154984	0.0006
7211 6 24655		0.1744	108.04	-4.528	60.166	0.1718507	-0.204200	0.0025
7211 6 24710			108.19	-4.892	59.493	0.1217810	-0.229794	
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7211 6 24810			108.81	-6.337	56.793	-0.1113116	-0.245871	
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7211 6 25355	-0.9474	112.95	-14.257	40.918	-0.9499649	-0.241083	0.0026
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7211 6 3 710		124.17	-27.083	0.198	0.9956678	-0.183612	
7211 6 3 725	0.9476	124.37	-27.215	-0.631	0.9516310	-0.197507	-0.0040
7211 6 3 755	0.8576	124.79	-27.466	-2.295	0.8551485	-0.219073	0.0025
7211 6 3 810		125.00	-27.583	-3.130	0.8036615	-0.226747	
7211 6 3 825	0.7504	125.20	-27.696	-3.966	0.7504855	-0.234136	-0.0001
7211 6 3 855	0.6371	125.61	-27.907	-5.642	0.6381722	-0.253404	-0.0011
7211 6 3 910		125.82	-28.004	-6.483	0.5783451	-0.265282	
7211 6 3 925	0.5161	126.02	-28.097	-7.325	0.5157069	-0.277017	0.0004
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7211 6 65030		110.99	-10.477	46.761	-0.4750050	-0.112879		7211 6 713 0		129.72	-28.869	-23.524	-0.6969751	-0.158216
7211 6 65045	-0.5070	111.17	-10.822	46.071	-0.5057454	-0.153138	-0.0013	7211 6 71315	-0.7312	129.90	-28.868	-24.375	-0.7318001	-0.143267 0.0006
7211 6 65115	-0.5939	111.55	-11.506	44.687	-0.5940068	-0.227942	0.0001	7211 6 71345	-0.7879	130.25	-28.851	-26.077	-0.7902629	-0.109030 0.0024
7211 6 65130		111.75	-11.845	43.992	-0.6506490	-0.262488		7211 6 714 0		130.43	-28.834	-26.927	-0.8132331	-0.089743
7211 6 65145	-0.7145	111.94	-12.183	43.296	-0.7145516	-0.288706	0.0001	7211 6 71415	-0.8353	130.60	-28.813	-27.777	-0.8316106	-0.069353 -0.0037
7211 6 65215	-0.8505	112.33	-12.852	41.899	-0.8520012	-0.296892	0.0015	7211 6 71445	-0.8516	130.94	-28.753	-29.475	-0.8538082	-0.026302 0.0022
7211 6 65230		112.53	-13.184	41.198	-0.9187381	-0.278858		7211 6 715 0		131.10	-28.715	-30.323	-0.8572789	-0.003641
7211 6 65245	-0.9819	112.73	-13.514	40.495	-0.9791796	-0.240487	-0.0027	7211 6 71515	-0.8545	131.27	-28.672	-31.170	-0.8553042	0.021424 0.0008
7211 6 65315	-1.0565	113.13	-14.168	39.084	-1.0585285	-0.085969	0.0020	7211 6 71545	-0.8350	131.59	-28.571	-32.862	-0.8316590	0.083707 -0.0033
7211 6 65330		113.33	-14.492	38.376	-1.0654668	0.030177		7211 6 716 0		131.75	-28.512	-33.706	-0.8081183	0.120924
7211 6 65345	-1.0426	113.53	-14.814	37.666	-1.0440105	0.153937	0.0014	7211 6 71615	-0.7731	131.91	-28.448	-34.549	-0.7760234	0.155635 0.0029
7211 6 65415	-0.9265	113.94	-15.450	36.239	-0.9215637	0.369372	-0.0049	7211 6 71645	-0.6936	132.22	-28.305	-36.232	-0.6930264	0.197865 -0.0006
7211 6 65430		114.15	-15.765	35.523	-0.8255109	0.461046		7211 6 717 0		132.37	-28.226	-37.071	-0.6463089	0.205385
7211 6 65445	-0.7072	114.36	-16.078	34.805	-0.7099528	0.536538	0.0028	7211 6 71715	-0.5983	132.52	-28.142	-37.909	-0.5989401	0.203342 0.0006
7211 6 65515	-0.4357	114.78	-16.695	33.362	-0.4390620	0.622515	0.0034	7211 6 71745	-0.5144	132.81	-27.958	-39.580	-0.5114225	0.169077 -0.0030
7211 6 65530		114.99	-17.000	32.638	-0.2937332	0.633001		7211 6 718 0		132.95	-27.859	-40.414	-0.4759183	0.136855
7211 6 65545	-0.1528	115.20	-17.302	31.911	-0.1484992	0.621633	-0.0043	7211 6 71815	-0.4454	133.09	-27.755	-41.245	-0.4483888	0.102690 0.0030
7211 6 65615	0.1211	115.63	-17.898	30.451	0.1213774	0.532780	-0.0003	7211 6 71845	-0.4138	133.36	-27.531	-42.903	-0.4134262	0.052885 -0.0004
7211 6 65630		115.84	-18.192	29.717	0.2358450	0.455295		7211 6 719 0		133.50	-27.412	-43.729	-0.4031423	0.037244
7211 6 65645	0.3329	116.05	-18.483	28.982	0.3309620	0.369803	0.0019	7211 6 71915	-0.3963	133.63	-27.289	-44.554	-0.3954949	0.031174 -0.0008
7211 6 65715	0.4661	116.48	-19.057	27.503	0.4654689	0.216898	0.0006	7211 6 71945	-0.3775	133.88	-27.027	-46.196		

7211 6 720 0		134.01	-26.889	-47.014	-0.3600080	0.090761	
7211 6 72015	-0.3322	134.13	-26.746	-47.830	-0.3347581	0.126969	0.0026
7211 6 72045	-0.2666	134.37	-26.447	-49.456	-0.2627656	0.180765	-0.0038
7211 6 721 0		134.48	-26.291	-50.265	-0.2188885	0.198352	
7211 6 72115	-0.1677	134.59	-26.130	-51.072	-0.1716398	0.210099	0.0039
7211 6 72145	-0.0751	134.81	-25.796	-52.679	-0.0721644	0.217180	-0.0029
7211 6 722 0		134.92	-25.622	-53.479	-0.0224639	0.212513	
7211 6 72215	0.0271	135.02	-25.443	-54.277	0.0257174	0.204840	0.0014
7211 6 72245	0.1165	135.21	-25.074	-55.864	0.1164553	0.187877	0.0000
7211 6 723 0		135.31	-24.883	-56.654	0.1587629	0.178586	
7211 6 72315	0.1985	135.40	-24.688	-57.442	0.1990286	0.170901	-0.0005
7211 6 72345		135.58	-24.286	-59.009	0.2764025	0.166784	
7211 6 72415	0.3546	135.74	-23.868	-60.566	0.3540972	0.169601	0.0005
7211 6 72445		135.90	-23.435	-62.113	0.4328310	0.171285	
7211 6 72515	0.5103	136.04	-22.987	-63.649	0.5120096	0.171374	-0.0017
7211 6 72545	0.5938	136.17	-22.524	-65.174	0.5907550	0.169409	0.0030
7211 6 726 0		136.24	-22.288	-65.933	0.6296689	0.167655	
7211 6 72615	0.6667	136.30	-22.047	-66.689	0.6680081	0.163950	-0.0013
7211 6 72645	0.7375	136.41	-21.557	-68.194	0.7401634	0.146367	-0.0027
7211 6 727 0		136.46	-21.307	-68.942	0.7724143	0.132490	
7211 6 72715	0.8061	136.51	-21.053	-69.688	0.8013560	0.118934	0.0047
7211 6 72745	0.8487	136.60	-20.536	-71.172	0.8521794	0.103922	-0.0035
7211 6 728 0		136.64	-20.273	-71.910	0.8759232	0.102466	
7211 6 72815	0.8996	136.68	-20.007	-72.645	0.8993492	0.099230	0.0003
7211 6 72845	0.9421	136.75	-19.466	-74.109	0.9395773	0.069975	0.0025
7211 6 729 0		136.78	-19.191	-74.837	0.9528733	0.043956	
7211 6 72915	0.9576	136.80	-18.913	-75.563	0.9592968	0.010477	-0.0017
7211 6 72945	0.9432	136.85	-18.350	-77.006	0.9447324	-0.078453	-0.0015
7211 6 730 0		136.86	-18.064	-77.725	0.9203628	-0.133905	
7211 6 73015	0.8846	136.88	-17.775	-78.441	0.8827849	-0.190994	0.0018
7211 6 73045	0.7716	136.90	-17.190	-79.866	0.7704316	-0.293020	0.0012
7211 6 731 0		136.91	-16.894	-80.575	0.6975262	-0.337957	
7211 6 73115	0.6125	136.91	-16.596	-81.282	0.6151733	-0.372888	-0.0027
7211 6 73145	0.4368	136.91	-15.992	-82.689	0.4354885	-0.394866	0.0013
7211 6 732 0		136.91	-15.686	-83.390	0.3455255	-0.381913	
7211 6 73215	0.2607	136.90	-15.379	-84.088	0.2599441	-0.358857	0.0008
7211 6 73245	0.1052	136.87	-14.757	-85.479	0.1071984	-0.300007	-0.0020
7211 6 733 0		136.86	-14.443	-86.171	0.0419942	-0.264214	
7211 6 73315	-0.0130	136.84	-14.127	-86.861	-0.0147398	-0.227844	0.0017
7211 6 73345	-0.1057	136.79	-13.489	-88.236	-0.1048032	-0.164371	-0.0009
7211 6 734 0		136.77	-13.167	-88.921	-0.1395589	-0.137268	
7211 6 73415	-0.1666	136.74	-12.844	-89.604	-0.1684095	-0.113184	0.0018
7211 6 73445	-0.2149	136.67	-12.191	-90.965	-0.2111314	-0.073851	-0.0038
7211 6 735 0		136.63	-11.863	-91.643	-0.2263625	-0.058603	
7211 6 73515	-0.2349	136.59	-11.532	-92.319	-0.2380312	-0.041329	0.0031
7211 6 73545	-0.2457	136.50	-10.867	-93.667	-0.2453695	0.014203	-0.0003
7211 6 736 0		136.45	-10.532	-94.339	-0.2378094	0.052463	
7211 6 73615	-0.2212	136.39	-10.196	-95.009	-0.2210083	0.092543	-0.0002
7211 6 73645	-0.1631	136.28	-9.519	-96.346	-0.1615845	0.162645	-0.0015
7211 6 737 0		136.22	-9.179	-97.012	-0.1205099	0.192666	
7211 6 73715	-0.0718	136.16	-8.838	-97.678	-0.0727545	0.221124	0.0010
7211 6 73745	0.0440	136.02	-8.151	-99.005	0.0425935	0.278714	0.0014
7211 6 738 0		135.95	-7.806	-99.666	0.1102902	0.307847	
7211 6 73815	0.1840	135.87	-7.460	-100.327	0.1841996	0.330208	-0.0002
7211 6 73845	0.3356	135.72	-6.766	-101.646	0.3395559	0.333615	-0.0040
7211 6 739 0		135.64	-6.417	-102.303	0.4146451	0.314662	
7211 6 73915	0.4885	135.55	-6.067	-102.961	0.4840002	0.284933	0.0045
7211 6 73945	0.5968	135.37	-5.365	-104.272	0.5976322	0.202133	-0.0008
7211 6 740 0		135.23	-5.013	-104.927	0.6383166	0.149060	
7211 6 74015	0.6650	135.18	-4.661	-105.581	0.6665945	0.097860	-0.0016
7211 6 74045	0.6955	134.99	-3.953	-106.888	0.6943438	0.030033	0.0012
7211 6 741 0		134.88	-3.599	-107.541	0.6991358	0.013406	
7211 6 74115	0.7010	134.78	-3.244	-108.193	0.7012638	0.006275	-0.0003
7211 6 74145	0.7049	134.56	-2.533	-109.496	0.7048903	0.014413	0.0000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	HZ	Km	Deg.	Deg.	HZ	mm/s**2	HZ
7211 6102635	0.1731	103.53	21.330	109.819	0.1730887	0.150551	0.0000
7211 61027 5	0.2378	103.43	20.802	108.276	0.2381057	0.133776	-0.0003
7211 6102720		103.39	20.534	107.508	0.2686284	0.131406	
7211 6102735	0.3003	103.35	20.261	106.743	0.2989176	0.130913	0.0014
7211 61028 5	0.3560	103.28	19.707	105.221	0.3589953	0.129176	-0.0030
7211 6102820		103.25	19.426	104.464	0.3886682	0.127931	
7211 6102835	0.4221	103.23	19.141	103.709	0.4179618	0.125432	0.0041
7211 61029 5	0.4698	103.18	18.562	102.208	0.4735032	0.113671	-0.0037
7211 6102920		103.17	18.268	101.461	0.4987114	0.104411	
7211 6102935	0.5220	103.15	17.971	100.716	0.5213670	0.090733	0.0006
7211 61030 5	0.5568	103.13	17.369	99.235	0.5534039	0.043670	0.0034
7211 6103020		103.12	17.064	98.498	0.5597571	0.010292	
7211 6103035	0.5540	103.12	16.756	97.764	0.5581692	-0.022875	-0.0042
7211 61031 5	0.5380	103.12	16.133	96.302	0.5360820	-0.068126	0.0019
7211 6103120		103.13	15.818	95.574	0.5188293	-0.080218	
7211 6103135	0.4980	103.14	15.500	94.849	0.4992587	-0.089550	-0.0013
7211 61032 5	0.4556	103.16	14.858	93.405	0.4528046	-0.112683	0.0028
7211 6103220		103.18	14.533	92.687	0.4252355	-0.126483	
7211 6103235	0.3915	103.20	14.207	91.970	0.3945415	-0.138559	-0.0030
7211 61033 5	0.3288	103.25	13.547	90.543	0.3276628	-0.147860	0.0011
7211 6103320		103.28	13.214	89.833	0.2937638	-0.145089	
7211 6103335	0.2618	103.31	12.880	89.124	0.2607987	-0.140755	0.0010
7211 61034 5	0.1947	103.39	12.205	87.713	0.1968312	-0.137569	-0.0021
7211 6103420		103.43	11.864	87.010	0.1649854	-0.138714	
7211 6103435	0.1345	103.47	11.523	86.309	0.1326557	-0.141597	0.0018
7211 61035 5	0.0644	103.57	10.834	84.912	0.0650645	-0.152306	-0.0007
7211 6103520		103.62	10.487	84.216	0.0290436	-0.160130	
7211 6103535	-0.0086	103.68	10.139	83.522	-0.0085691	-0.164108	0.0000
7211 61036 5	-0.0813	103.80	9.439	82.138	-0.0811362	-0.144023	-0.0002
7211 6103620		103.87	9.086	81.448	-0.1117786	-0.119971	
7211 6103635	-0.1357	103.93	8.733	80.760	-0.1363644	-0.093866	0.0007
7211 61037 5	-0.1718	104.08	8.022	79.387	-0.1704855	-0.057454	-0.0013
7211 6103720		104.15	7.665	78.702	-0.1824539	-0.047142	
7211 6103735	-0.1900	104.23	7.307	78.019	-0.1923525	-0.038169	0.0024
7211 61038 5	-0.2067	104.40	6.589	76.655	-0.2044467	-0.012508	-0.0023
7211 6103820		104.48	6.228	75.975	-0.2054575	0.004177	
7211 6103835	-0.2042	104.57	5.866	75.296	-0.2021860	0.025161	-0.0020
7211 61039 5	-0.1705	104.76	5.141	73.941	-0.1776481	0.085142	0.0071
7211 6103920		104.86	4.777	73.265	-0.1536151	0.124131	
7211 6103935	-0.1258	104.96	4.412	72.589	-0.1206127	0.159526	-0.0052
7211 6104040		105.42	2.827	69.669	0.0599189	0.159983	
7211 6104145	0.1626	105.94	1.236	66.759	0.1568090	0.032509	0.0058

7211	6104215	0.1484	106.19	0.500	65.417	0.1577161	-0.028844	-0.0093	7211	611 645	0.5338	125.61	-27.464	-6.450	0.5325047	-0.286790	0.0013
7211	6104230		106.32	0.132	64.747	0.1474560	-0.060116		7211	611 715	0.3967	126.03	-27.692	-8.120	0.3951953	-0.307111	0.0015
7211	6104245	0.1333	106.45	-0.235	64.077	0.1302925	-0.087089	0.0030	7211	611 730		126.24	-27.798	-8.957	0.3233424	-0.315192	
7211	6104315	0.0877	106.72	-0.971	62.737	0.0824771	-0.114050	0.0052	7211	611 745	0.2479	126.45	-27.899	-9.795	0.2497612	-0.322182	-0.0019
7211	6104330		106.86	-1.338	62.066	0.0559780	-0.114038		7211	611 815	0.0975	126.86	-28.087	-11.476	0.0982186	-0.333769	-0.0007
7211	6104345	0.0282	107.01	-1.705	61.396	0.0297395	-0.115174	-0.0015	7211	611 830		127.06	-28.173	-12.319	0.0206254	-0.338365	
7211	6104415	-0.0413	107.30	-2.438	60.055	-0.0300389	-0.151313	-0.0113	7211	611 845	-0.0554	127.27	-28.253	-13.162	-0.0578310	-0.340790	0.0024
7211	6104430		107.44	-2.804	59.384	-0.0687911	-0.186317		7211	611 915	-0.2166	127.67	-28.399	-14.852	-0.2143766	-0.335001	-0.0022
7211	6104445	-0.0997	107.59	-3.170	58.713	-0.1158355	-0.218430	0.0161	7211	611 930		127.86	-28.465	-15.698	-0.2908285	-0.326787	
7211	6104515	-0.2322	107.90	-3.900	57.369	-0.2223099	-0.231435	-0.0099	7211	611 945	-0.3631	128.06	-28.525	-16.545	-0.3649988	-0.315337	0.0019
7211	6104530		108.06	-4.264	56.697	-0.2738576	-0.212328		7211	6111015	-0.5051	128.45	-28.629	-18.242	-0.5037219	-0.283661	-0.0014
7211	6104545	-0.3161	108.22	-4.627	56.024	-0.3196143	-0.183819	0.0035	7211	6111030		128.64	-28.673	-19.091	-0.5669240	-0.263435	
7211	6104615	-0.3918	108.54	-5.352	54.676	-0.3903853	-0.121606	-0.0014	7211	6111045	-0.6265	128.84	-28.712	-19.941	-0.6252423	-0.241880	-0.0013
7211	6104630		108.71	-5.713	54.002	-0.4146002	-0.087903		7211	6111115	-0.7230	129.22	-28.774	-21.641	-0.7271062	-0.199574	0.0041
7211	6104645	-0.4302	108.88	-6.073	53.326	-0.4310529	-0.055299	0.0009	7211	6111130		129.40	-28.797	-22.492	-0.7707757	-0.178823	
7211	6104715	-0.4440	109.22	-6.791	51.972	-0.4436479	-0.001883	-0.0004	7211	6111145	-0.8115	129.59	-28.815	-23.343	-0.8097975	-0.159790	-0.0017
7211	6104730		109.39	-7.149	51.294	-0.4416048	-0.018929		7211	6111215	-0.8801	129.95	-28.835	-25.044	-0.8764889	-0.131229	-0.0036
7211	6104745	-0.4355	109.56	-7.505	50.615	-0.4355052	-0.031988	0.0000	7211	6111230		130.13	-28.836	-25.895	-0.9056211	-0.121701	
7211	6104815	-0.4208	109.92	-8.215	49.254	-0.4209431	-0.023378	0.0001	7211	6111245	-0.9304	130.31	-28.833	-26.746	-0.9324490	-0.109226	0.0020
7211	6104830		110.10	-8.568	48.572	-0.4178247	-0.001710		7211	6111315	-0.9680	130.67	-28.810	-28.446	-0.9722366	-0.057093	0.0042
7211	6104845	-0.4209	110.28	-8.919	47.889	-0.4207369	-0.027539	-0.0002	7211	6111330		130.84	-28.791	-29.296	-0.9810131	-0.017436	
7211	6104915	-0.4488	110.65	-9.619	46.519	-0.4488874	-0.096800	0.0001	7211	6111345	-0.9840	131.01	-28.766	-30.145	-0.9801583	-0.023887	-0.0038
7211	6104930		110.84	-9.966	45.832	-0.4757816	-0.136810		7211	6111515		132.00	-28.508	-35.224	-0.8348938	-0.151495	
7211	6104945	-0.5120	111.03	-10.312	45.144	-0.5120788	-0.177197	0.0001	7211	6111645	-0.6339	132.92	-28.064	-40.264	-0.6367606	-0.113934	0.0029
7211	6105015	-0.6110	111.41	-11.000	43.764	-0.6110058	-0.249465	0.0000	7211	6111715	-0.5960	133.20	-27.875	-41.932	-0.5928833	-0.073845	-0.0031
7211	6105030		111.60	-11.341	43.071	-0.6723269	-0.281348		7211	6111730		133.34	-27.773	-42.764	-0.5786808	-0.048632	
7211	6105045	-0.7409	111.80	-11.681	42.377	-0.7399538	-0.300951	-0.0009	7211	6111745	-0.5705	133.48	-27.667	-43.594	-0.5699840	-0.029228	-0.0005
7211	6105115	-0.8746	112.19	-12.355	40.985	-0.8762468	-0.274989	0.0016	7211	6111815	-0.5552	133.75	-27.439	-45.249	-0.5573352	-0.035609	0.0021
7211	6105130		112.39	-12.690	40.286	-0.9348840	-0.229423		7211	6111830		133.88	-27.317	-46.074	-0.5464286	-0.061395	
7211	6105145	-0.9801	112.59	-13.022	39.586	-0.9806054	-0.163563	0.0005	7211	6111845	-0.5289	134.02	-27.191	-46.897	-0.5284277	-0.094491	-0.0005
7211	6105215	-1.0192	112.99	-13.681	38.180	-1.0155498	-0.024762	-0.0037	7211	6111915	-0.4717	134.27	-26.925	-48.536	-0.4697630	-0.159348	-0.0019
7211	6105230		113.20	-14.008	37.474	-0.9960619	-0.147226		7211	6111930		134.39	-26.785	-49.353	-0.4293047	-0.191109	
7211	6105245	-0.9456	113.40	-14.332	36.767	-0.9473200	-0.273050	0.0017	7211	6111945	-0.3798	134.51	-26.640	-50.167	-0.3820082	-0.216678	0.0022
7211	6105315	-0.7660	113.82	-14.974	35.346	-0.7697105	-0.488256	0.0037	7211	6112015	-0.2771	134.74	-26.337	-51.790	-0.2765993	-0.231994	-0.0005
7211	6105330		114.02	-15.292	34.633	-0.6464511	-0.577639		7211	6112030		134.85	-26.179	-52.598	-0.2239995	-0.221741	
7211	6105345	-0.5086	114.23	-15.608	33.918	-0.5046725	-0.645623	-0.0039	7211	6112045	-0.1746	134.96	-26.016	-53.403	-0.1745149	-0.207731	-0.0001
7211	6105435		114.94	-16.642	31.518	-0.6160686	-0.650842		7211	6112115	-0.0835	135.18	-25.677	-55.007	-0.0826930	-0.192992	-0.0008
7211	6105525	0.4441	115.65	-17.647	29.096	-0.4414721	-0.439696	0.0026	7211	6112130		135.28	-25.501	-55.805	-0.0383121	-0.192262	
7211	6105555	0.6043	116.09	-18.236	27.630	-0.60562849	-0.268741	-0.0020	7211	6112145	0.0069	135.38	-25.321	-56.601	-0.0061467	-0.192521	0.0008
7211	6105610		116.30	-18.526	26.894	-0.6571879	-0.170792		7211	6112215	0.0944	135.57	-24.948	-58.185	-0.0938300	-0.185691	0.0006
7211	6105625	0.6862	116.52	-18.813	26.156	-0.6861094	-0.085396	0.0001	7211	6112230		135.66	-24.755	-58.974	-0.1359238	-0.178602	
7211	6105735		117.55	-20.114	22.678	-0.7355820	-0.127422		7211	6112245	0.1750	135.75	-24.558	-59.759	-0.1763418	-0.172225	-0.0013
7211	6105845	1.0123	118.58	-21.344	19.149	-1.0125186	-0.314061	-0.0002	7211	6112315	0.2565	135.92	-24.153	-61.323	-0.2549972	-0.171092	0.0015
7211	6105915	1.1498	119.03	-21.848	17.620	-1.1482191	-0.260429	0.0016	7211	6112330		136.00	-23.944	-62.102	-0.2950230	-0.176336	
7211	6105930		119.25	-22.095	16.851	-1.2021564	-0.203543		7211	6112345	0.3337	136.08	-23.732	-62.877	-0.3364461	-0.182072	-0.0027
7211	6105945	1.2405	119.47	-22.338	16.081	-1.2420108	-0.144315	-0.0015	7211	6112415	0.4260	136.23	-23.295	-64.420	-0.4215955	-0.184868	0.0044
7211	611 015	1.2886	119.92	-22.813	14.532	-1.2895672	-0.071940	-0.0010	7211	6112430		136.30	-23.071	-65.188	-0.4639869	-0.181930	
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7211	611 115	1.3342	120.81	-23.718	11.404	-1.3355821	-0.025861	-0.0014	7211	6112530		136.55	-22.140	-68.233	-0.6201462	-0.152270	
7211	611 130		121.03	-23.934	10.616	-1.3395075	-0.007535		7211	6112545	0.6553	136.61	-21.899	-68.987	-0.6541573	-0.142692	0.0011
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7211	611 215	1.3220	121.70	-24.558	8.237	-1.3234873	-0.054226	-0.0015	7211	6112630		136.76	-21.154	-71.236	-0.7457271	-0.124364	
7211	611 230		121.92	-24.758	7.440	-1.3085339	-0.075378		7211	6112645	0.7734	136.81	-20.899	-71.980	-0.7737947	-0.117792	-0.0004
7211	611 245	1.2898	122.15	-24.953	6.640	-1.2887601	-0.095579	0.0010	7211	6112715	0.8217	136.89	-20.380	-73.461	-0.8218414	-0.086260	-0.0001
7211	611 315	1.2369	122.59	-25.331	5.033	-1.2364830	-0.129429	0.0004	7211	6112730		136.93	-20.115	-74.197	-0.8389906	-0.061300	
7211	611 330		122.81	-25.513	4.226	-1.2049881	-0.143078		7211	6112745	0.8511	136.97	-19.848	-74.931	-0.8497190	-0.030840	0.0014
7211	611 345	1.1693	123.03	-25.691	3.417	-1.1704563	-0.156340	-0.0012	7211	6112840	0.8133	137.07	-18.843	-77.602	-0.8155394	-0.122514	-0.0022
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7211	611 430		123.68	-26.198	0.977	-1.0462152	-0.204582		7211	6112935	0.6290	137.13	-17.802	-80.239	-0.6274727	-0.315749	0.0015
7211	611 445	0.9957	123.90	-26.358	0.159	-0.9970458	-0.220744	-0.0013	7211	61130 5	0.4681	137.15	-17.218	-81.665	-0.4660924	-0.376450	0.0020
7211	611 515	0.8917	124.33	-26.663	-1.482	-0.8988613	-0.240868	0.0018	7211	6113020		137.15	-16.923	-82			

7211 61132 5	-0.1141	137.10	-14.791	-87.280	-0.1111136	-0.153007	-0.0030
7211 6113220		137.09	-14.478	-87.973	-0.1425545	-0.120693	
7211 6113235	-0.1656	137.06	-14.162	-88.663	-0.1673402	-0.094972	0.0017
7211 61133 5	-0.2039	137.01	-13.526	-90.039	-0.2024587	-0.061053	-0.0014
7211 6113320		136.98	-13.205	-90.724	-0.2154898	-0.052849	
7211 6113335	-0.2264	136.95	-12.882	-91.407	-0.2269242	-0.045513	0.0005
7211 61134 5	-0.2416	136.88	-12.231	-92.768	-0.2423482	-0.018577	0.0007
7211 6113420		136.84	-11.903	-93.447	-0.2444528	0.001020	
7211 6113435	-0.2419	136.79	-11.574	-94.123	-0.2416206	0.023933	-0.0003
7211 61135 5	-0.2201	136.70	-10.910	-95.472	-0.2186362	0.077318	-0.0015
7211 6113520		136.64	-10.575	-96.144	-0.1973251	0.107787	
7211 6113535	-0.1672	136.59	-10.240	-96.815	-0.1686894	0.140613	0.0015
7211 61136 5	-0.0870	136.47	-9.565	-98.152	-0.0874565	0.212728	0.0005
7211 6113620		136.41	-9.225	-98.819	-0.0338702	0.252016	
7211 6113635	0.0268	136.34	-8.884	-99.484	0.0286486	0.288071	-0.0018
7211 61137 5	0.1754	136.20	-8.199	-100.811	0.1736224	0.334182	0.0018
7211 6113720		136.13	-7.854	-101.473	0.2520741	0.344247	
7211 6113735	0.3305	136.05	-7.509	-102.134	0.3315630	0.341422	-0.0011
7211 61138 5	0.4790	135.89	-6.816	-103.453	0.4786653	0.284412	0.0003
7211 6113820		135.80	-6.467	-104.111	0.5383814	0.330243	
7211 6113835	0.5845	135.71	-6.118	-104.769	0.5844440	0.169376	0.0001
7211 61139 5	0.6365	135.53	-5.418	-106.081	0.6365815	0.059001	-0.0001
7211 6113920		135.44	-5.066	-106.736	0.6444122	0.009490	
7211 6113935	0.6418	135.34	-4.714	-107.390	0.6417809	-0.029344	0.0000
7211 61140 5	0.6198	135.13	-4.008	-108.697	0.6198007	-0.054127	0.0000

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CONCAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
7211 6142514	0.2787	103.56	22.098	110.103	0.2786939	0.083298	0.0000
7211 6142544	0.3183	103.46	21.592	108.543	0.3184630	0.089298	-0.0002
7211 6142559		103.41	21.334	107.767	0.3394961	0.093011	
7211 6142614	0.3621	103.37	21.072	106.994	0.3613686	0.096256	0.0007
7211 6142644	0.4051	103.28	20.538	105.455	0.4065463	0.098513	-0.0014
7211 6142659		103.25	20.266	104.690	0.4292000	0.097524	
7211 6142714	0.4530	103.21	19.990	103.928	0.4514832	0.095393	0.0015
7211 6142744	0.4938	103.16	19.430	102.410	0.4940699	0.088511	-0.0003
7211 6142759		103.13	19.145	101.656	0.5139704	0.083761	
7211 6142814	0.5297	103.11	18.857	100.904	0.5324247	0.074903	-0.0027
7211 6142844	0.5645	103.08	18.272	99.407	0.5589606	0.035155	0.0055
7211 6142859		103.06	17.975	98.663	0.5636519	0.004266	
7211 6142914	0.5568	103.05	17.675	97.921	0.5609318	-0.026603	-0.0041
7211 6142944	0.5382	103.04	17.068	96.444	0.5383753	-0.066189	-0.0002
7211 6142959		103.04	16.760	95.710	0.5219479	-0.074907	

7211 6143014	0.5048	103.05	16.450	94.978	0.5039391	-0.081716	0.0009
7211 6143044	0.4638	103.06	15.822	93.520	0.4611475	-0.106035	0.0027
7211 6143059		103.07	15.504	92.795	0.4347179	-0.123545	
7211 6143114	0.3993	103.09	15.184	92.072	0.4042091	-0.139755	-0.0049
7211 6143144	0.3391	103.12	14.537	90.632	0.3355263	-0.153667	0.0036
7211 6143159		103.15	14.210	89.916	0.3002003	-0.151370	
7211 6143214	0.2660	103.17	13.881	89.201	0.2657501	-0.147667	0.0002
7211 6143244	0.1933	103.23	13.218	87.778	0.1974766	-0.150332	-0.0042
7211 6143259		103.27	12.883	87.070	0.1621034	-0.156700	
7211 6143314	0.1299	103.31	12.546	86.363	0.1250699	-0.163863	0.0048
7211 6143344	0.0450	103.39	11.868	84.956	0.0470639	-0.172880	-0.0021
7211 6143359		103.44	11.526	84.255	0.0069080	-0.174735	
7211 6143414	-0.0344	103.49	11.182	83.555	-0.0333614	-0.173385	-0.0010
7211 6143444	-0.1079	103.60	10.490	82.162	-0.1102850	-0.156753	-0.0024
7211 6143459		103.66	10.142	81.467	-0.1447955	-0.141472	
7211 6143514	-0.1766	103.72	9.793	80.774	-0.1754736	-0.124550	-0.0011
7211 6143544	-0.2269	103.85	9.089	79.393	-0.2258966	-0.094790	-0.0010
7211 6143559		103.92	8.736	78.705	-0.2462699	-0.081951	
7211 6143614	-0.2637	103.99	8.381	78.018	-0.2636684	-0.068287	0.0000
7211 6143644	-0.2842	104.15	7.668	76.647	-0.2872646	-0.031923	0.0031
7211 6143659		104.23	7.310	75.964	-0.2920716	-0.009223	
7211 6143714	-0.2933	104.31	6.951	75.282	-0.2913687	0.015477	-0.0019
7211 6143744	-0.2748	104.49	6.230	73.921	-0.2722880	0.067839	-0.0025
7211 6143759		104.58	5.869	73.241	-0.2534544	0.095500	
7211 6143814	-0.2260	104.68	5.506	72.563	-0.2285296	0.118845	0.0025
7211 6143844	-0.1667	104.88	4.779	71.210	-0.1680655	0.136672	0.0014
7211 6143859		104.98	4.415	70.534	-0.1369678	0.131155	
7211 6143914	-0.1098	105.09	4.050	69.859	-0.1079838	0.119528	-0.0018
7211 6144049		105.82	1.728	65.599	-0.0184920	-0.014499	
7211 6144224	-0.1493	106.65	-0.601	61.353	-0.1516142	-0.151125	0.0023
7211 6144254	-0.2315	106.93	-1.336	60.013	-0.2269763	-0.173698	-0.0045
7211 61443 9		107.07	-1.703	59.342	-0.2680058	-0.181282	
7211 6144324	-0.3063	107.22	-2.070	58.672	-0.3104582	-0.186110	0.0042
7211 6144354	-0.3992	107.52	-2.802	57.331	-0.3969739	-0.186650	-0.0022
7211 61444 9		107.67	-3.168	56.659	-0.4396341	-0.182361	
7211 6144424	-0.4823	107.83	-3.533	55.988	-0.4806297	-0.171091	-0.0017
7211 6144454	-0.5428	108.15	-4.262	54.644	-0.5485276	-0.115755	0.0057
7211 61445 9		108.31	-4.625	53.971	-0.5703770	-0.071679	
7211 6144524	-0.5863	108.47	-4.988	53.297	-0.5815668	-0.026860	-0.0047
7211 6144554	-0.5788	108.81	-5.711	51.949	-0.5783373	0.034578	-0.0005
7211 61446 9		108.98	-6.071	51.273	-0.5682545	0.051188	
7211 6144624	-0.5524	109.15	-6.431	50.597	-0.5554261	0.058433	0.0030
7211 6144654	-0.5314	109.50	-7.147	49.242	-0.5301170	0.044999	-0.0013
7211 61447 9		109.68	-7.503	48.563	-0.5193362	0.024310	
7211 6144724	-0.5205	109.86	-7.858	47.883	-0.5193920	-0.002880	-0.0011
7211 6144754	-0.5328	110.22	-8.565	46.520	-0.5352768	-0.068408	0.0025
7211 61448 9		110.40	-8.917	45.837	-0.5554271	-0.106751	
7211 6144824	-0.5880	110.59	-9.267	45.153	-0.5846352	-0.146089	-0.0034
7211 6144854	-0.6652	110.97	-9.964	43.781	-0.6693388	-0.219723	0.0041
7211 61449 9		111.16	-10.310	43.093	-0.7240639	-0.254018	
7211 6144924	-0.7908	111.35	-10.655	42.403	-0.7859242	-0.279380	-0.0049
7211 6144954	-0.9127	111.74	-11.339	41.020	-0.9179199	-0.281656	0.0052
7211 61450 9		111.94	-11.679	40.326	-0.9805973	-0.258555	
7211 6145024	-1.0401	112.14	-12.017	39.631	-1.0356728	-0.214409	-0.0044
7211 6145054	-1.0978	112.54	-12.687	38.235	-1.1002879	-0.048190	0.0025
7211 61451 9		112.74	-13.020	37.535	-1.0978106	0.073909	
7211 6145124	-1.0658	112.94	-13.350	36.833	-1.0656276	0.203128	-0.0002
7211 6145154	-0.9195	113.35	-14.005	35.424	-0.9184307	0.426784	-0.0011
7211 61452 9		113.56	-14.330	34.717	-0.8087628	0.521210	
7211 6145224	-0.6798	113.77	-14.652	34.008	-0.6791174	0.598577	-0.0007
7211 6145254	-0.3758	114.19	-15.290	32.583	-0.3791134	0.686093	0.0033
7211 61453 9		114.40	-15.603	31.868	-0.2190960	0.696220	
7211 6145324	-0.0605	114.61	-15.918	31.151	-0.0595228	0.682423	-0.0010
7211 6145354	0.2307	115.04	-16.537	29.711	0.2354703	0.578533	-0.0048
7211 61454 9		115.26	-16.843	28.967	0.3591373	0.488415	
7211 6145424	0.4654	115.47	-17.146	28.262	0.4602388	0.388800	0.0052

7211	6145454	0.5977	115.91	-17.744	26.804	0.5971590	0.208572	0.0005
7211	61455 9		116.12	-18.039	26.072	0.6358894	0.127965	
7211	6145524	0.6535	116.34	-18.331	25.338	0.6576056	0.065059	-0.0041
7211	61456 9	0.6864	117.00	-19.189	23.121	0.6824561	0.050185	0.0039
7211	6145632		117.33	-19.609	22.004	0.7136078	0.140590	
7211	6145654	0.7783	117.67	-20.021	20.882	0.7806638	0.238397	-0.0024
7211	6145724	0.9053	118.11	-20.559	19.378	0.9061963	0.290487	-0.0009
7211	6145739		118.34	-20.823	18.622	0.9728295	0.282949	
7211	6145754	1.0366	118.56	-21.084	17.864	1.0356786	0.260451	0.0009
7211	6145824	1.1449	119.01	-21.596	16.340	1.1414688	0.192800	0.0034
7211	6145839		119.23	-21.846	15.574	1.1809171	0.147639	
7211	6145854	1.2047	119.46	-22.093	14.806	1.2097327	0.103755	-0.0050
7211	6145924	1.2453	119.91	-22.576	13.263	1.2427893	0.046155	0.0025
7211	6145939		120.13	-22.812	12.487	1.2516702	0.032448	
7211	6145954	1.2572	120.35	-23.044	11.709	1.2580397	0.022236	-0.0008
7211	615 024	1.2635	120.80	-23.496	10.146	1.2619262	-0.007459	0.0016
7211	615 039		121.03	-23.716	9.360	1.2580138	-0.026944	
7211	615 054	1.2468	121.25	-23.932	8.573	1.2493933	-0.047661	-0.0026
7211	615 124	1.2204	121.70	-24.353	6.990	1.2181507	-0.087277	0.0022
7211	615 139		121.92	-24.557	6.195	1.1958051	-0.106177	
7211	615 154	1.1696	122.14	-24.756	5.397	1.1692249	-0.123874	0.0004
7211	615 224	1.1010	122.59	-25.143	3.796	1.1048211	-0.153937	-0.0038
7211	615 239		122.81	-25.330	2.991	1.0678159	-0.166302	
7211	615 254	1.0325	123.03	-25.512	2.185	1.0280539	-0.178536	0.0044
7211	615 324	0.9369	123.47	-25.864	0.565	0.9391527	-0.207605	-0.0023
7211	615 339		123.69	-26.033	-0.248	0.8893031	-0.224441	
7211	615 354	0.8365	123.91	-26.197	-1.064	0.8836612	-0.239622	0.0008
7211	615 424	0.7201	124.34	-26.512	-2.700	0.7206213	-0.255512	-0.0005
7211	615 439		124.56	-26.663	-3.522	0.6614502	-0.256216	
7211	615 454	0.6007	124.78	-26.808	-4.345	0.6023501	-0.256676	-0.0017
7211	615 524	0.4860	125.21	-27.085	-5.997	0.4812978	-0.270617	0.0047
7211	615 539		125.42	-27.216	-6.826	0.4713397	-0.284104	
7211	615 554	0.3462	125.63	-27.343	-7.657	0.3500469	-0.298718	-0.0038
7211	615 624	0.2065	126.05	-27.580	-9.323	0.2065016	-0.321738	0.0000
7211	615 639		126.26	-27.692	-10.158	0.1312033	-0.330141	
7211	615 654	0.0546	126.47	-27.798	-10.995	0.0542465	-0.336410	0.0004
7211	615 724	-0.1002	126.89	-27.996	-12.673	-0.1027837	-0.342386	0.0026
7211	615 739		127.09	-28.087	-13.514	-0.1818474	-0.342090	
7211	615 754	-0.2625	127.29	-28.173	-14.356	-0.2605217	-0.339215	-0.0020
7211	615 824	-0.4160	127.70	-28.330	-16.043	-0.4142022	-0.324547	-0.0018
7211	615 839		127.90	-28.401	-16.888	-0.4878345	-0.312751	
7211	615 854	-0.5571	128.10	-28.466	-17.734	-0.5583406	-0.297657	0.0012
7211	615 924	-0.6839	128.49	-28.581	-19.429	-0.6868346	-0.256554	0.0029
7211	615 939		128.68	-28.631	-20.278	-0.7431391	-0.230542	
7211	615 954	-0.7953	128.88	-28.675	-21.126	-0.7933900	-0.206047	-0.0019
7211	6151024	-0.8842	129.26	-28.748	-22.826	-0.8807888	-0.176998	-0.0034
7211	6151039		129.45	-28.776	-23.676	-0.9210041	-0.172451	
7211	6151054	-0.9569	129.63	-28.800	-24.526	-0.9604040	-0.167875	0.0035
7211	6151159		130.42	-28.839	-28.212	-1.0901172	-0.070464	
7211	61513 4	-1.0906	131.18	-28.779	-31.894	-1.0875353	0.068448	-0.0031
7211	6151334	-1.0403	131.52	-28.717	-33.590	-1.0441343	0.118036	0.0038
7211	6151349		131.68	-28.679	-34.438	-1.0143861	0.139384	
7211	61514 4	-0.9813	131.85	-28.635	-35.284	-0.9801121	0.156442	-0.0012
7211	6151434	-0.9039	132.17	-28.532	-36.974	-0.9034078	0.171638	-0.0005
7211	6151449		132.33	-28.472	-37.817	-0.8638893	0.169783	
7211	61515 4	-0.8259	132.48	-28.408	-38.659	-0.8255484	0.161097	-0.0004
7211	6151534	-0.7572	132.79	-28.264	-40.340	-0.7591416	0.121677	0.0019
7211	6151549		132.94	-28.184	-41.179	-0.7344650	0.090949	
7211	61516 4	-0.7183	133.08	-28.099	-42.016	-0.7170069	0.062142	-0.0013
7211	6151634	-0.6970	133.37	-27.914	-43.685	-0.6955716	0.038194	-0.0014
7211	6151649		133.51	-27.814	-44.518	-0.6864132	0.043042	
7211	61517 4	-0.6720	133.65	-27.709	-45.348	-0.6749747	0.057305	0.0030
7211	6151734	-0.6407	133.92	-27.485	-47.004	-0.6378378	0.108642	-0.0029
7211	6151749		134.05	-27.365	-47.830	-0.6086341	0.145708	
7211	61518 4	-0.5672	134.18	-27.241	-48.653	-0.5705948	0.182378	0.0034
7211	6151834	-0.4783	134.43	-26.978	-50.293	-0.4740083	0.230416	-0.0043

7211	6151849		134.55	-26.840	-51.111	-0.4193574	0.241791	
7211	61519 4	-0.3602	134.67	-26.697	-51.926	-0.3629187	0.246132	0.0027
7211	6151934	-0.2497	134.90	-26.397	-53.549	-0.2503247	0.237858	0.0006
7211	6151949		135.01	-26.240	-54.358	-0.1967772	0.225250	
7211	61520 4	-0.1480	135.12	-26.079	-55.164	-0.1464288	0.211388	-0.0016
7211	6152034	-0.0535	135.33	-25.744	-56.769	-0.0535334	0.193138	0.0000
7211	6152049		135.44	-25.569	-57.568	-0.0095276	0.188746	
7211	61521 4	0.0338	135.54	-25.391	-58.365	0.0338096	0.186990	0.0000
7211	6152134	0.1226	135.73	-25.021	-59.951	0.1204697	0.189834	0.0021
7211	6152149		135.82	-24.830	-60.740	0.1647702	0.194433	
7211	61522 4	0.2067	135.91	-24.635	-61.527	0.2102489	0.199202	-0.0035
7211	6152234	0.3065	136.07	-24.232	-63.092	0.3034587	0.203395	0.0030
7211	6152249		136.15	-24.025	-63.871	0.3503670	0.202821	
7211	61523 4	0.3958	136.23	-23.814	-64.648	0.3969825	0.200759	-0.0012
7211	6152334	0.4872	136.38	-23.380	-66.192	0.4880742	0.193055	-0.0009
7211	6152349		136.45	-23.158	-66.961	0.5320004	0.187415	
7211	61524 4	0.5761	136.52	-22.932	-67.727	0.5745362	0.180950	0.0016
7211	6152434	0.6535	136.64	-22.469	-69.251	0.6548508	0.166672	-0.0014
7211	6152449		136.70	-22.232	-70.009	0.6924233	0.158860	
7211	61525 4	0.7307	136.76	-21.992	-70.765	0.7281277	0.150204	0.0026
7211	6152534	0.7893	136.86	-21.501	-72.268	0.7928169	0.129211	-0.0035
7211	6152549		136.90	-21.250	-73.015	0.8212369	0.116876	
7211	61526 4	0.8473	136.95	-20.997	-73.760	0.8464389	0.106172	0.0009
7211	6152634	0.8821	137.03	-20.480	-75.243	0.8809415	0.044298	0.0012
7211	6152744		137.17	-19.227	-78.663	0.8103132	-0.202615	
7211	6152854	0.4683	137.25	-17.912	-82.030	0.4704914	-0.376865	-0.0022
7211	6152924	0.3013	137.27	-17.330	-83.457	0.2988802	-0.357112	0.0024
7211	6152939		137.27	-17.036	-84.167	0.2197458	-0.325980	
7211	6152954	0.1483	137.27	-16.739	-84.875	0.1490786	-0.285756	-0.0008
7211	6153024	0.0385	137.27	-16.138	-86.284	0.0379077	-0.193136	0.0006
7211	6153039		137.25	-15.834	-86.986	-0.0007152	-0.140736	
7211	6153054	-0.0276	137.25	-15.528	-87.685	-0.0273774	-0.092315	-0.0002
7211	6153124	-0.0551	137.21	-14.910	-89.078	-0.0540797	-0.031335	-0.0010
7211	6153139		137.19	-14.597	-89.771	-0.0596362	-0.018789	
7211	6153154	-0.0625	137.17	-14.283	-90.462	-0.0633319	-0.013742	0.0008
7211	6153224	-0.0685	137.12	-13.648	-91.839	-0.0689752	-0.012721	0.0005
7211	6153239		137.08	-13.327	-92.525	-0.0723191	-0.016749	
7211	6153254	-0.0765	137.05	-13.005	-93.208	-0.0765175	-0.018309	0.0000
7211	6153324	-0.0834	136.98	-12.356	-94.571	-0.0814052	0.002442	-0.0020
7211	6153339		136.93	-12.028	-95.250	-0.0784179	0.024761	
7211	6153354	-0.0676	136.89	-11.699	-95.927	-0.0695398	0.052740	0.0019
7211	6153424	-0.0301	136.79	-11.037	-97.277	-0.0304486	0.118858	0.0003
7211	6153439		136.73	-10.703	-97.949	0.0013337	0.157001	
7211	6153454	0.0405	136.68	-10.368	-98.620	0.0422078	0.197420	-0.0017
7211	6153524	0.1537	136.56	-9.694	-99.958	0.1526691	0.281904	0.0010
7211	6153539		136.49	-9.354	-100.626	0.2228239	0.325970	
7211	6153554	0.3030	136.42	-9.014	-101.291	0.3024276	0.360518	0.0006
7211	6153624	0.4723	136.28	-8.330	-102.619	0.4739397	0.368998	-0.0016
7211	6153639		136.20	-7.986	-103.282	0.5565175	0.342911	
7211	6153654	0.6317	136.12	-7.641	-103.943	0.6311443	0.302354	0.0006
7211	6153724	0.7492	135.96	-6.948	-105.263	0.7472885	0.194943	0.0019
7211	6153739		135.87	-6.600	-105.921	0.7847496	0.128081	
7211	6153754	0.8038	135.78	-6.251	-106.579	0.8065308	0.062580	-0.0027
7211	6153824	0.8						

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
7211 61824 5	0.3846	103.63	22.645	109.880	0.3846185	0.099002	0.0000
7211 6182435	0.4231	103.51	22.156	108.307	0.4226009	0.076217	0.0005
7211 6182450		103.46	21.906	107.525	0.4413551	0.088862	
7211 61825 5	0.4617	103.41	21.652	106.746	0.4639458	0.105686	-0.0022
7211 6182535	0.5210	103.32	21.134	105.195	0.5163926	0.116416	0.0046
7211 6182550		103.28	20.870	104.424	0.5427213	0.110309	
7211 61826 5	0.5615	103.24	20.602	103.655	0.5670677	0.100905	-0.0056
7211 6182635	0.6154	103.17	20.056	102.126	0.6098700	0.085209	0.0055
7211 6182650		103.14	19.779	101.365	0.6288031	0.078920	
7211 61827 5	0.6389	103.12	19.498	100.607	0.6461385	0.070441	-0.0072
7211 6182735	0.6821	103.08	18.927	99.099	0.6718137	0.037158	0.0103
7211 6182750		103.06	18.637	98.349	0.6776347	0.012343	
7211 61828 5	0.6663	103.04	18.343	97.601	0.6774372	-0.013499	-0.0111
7211 6182835	0.6701	103.02	17.749	96.114	0.6610661	-0.055194	0.0090
7211 6182850		103.02	17.447	95.373	0.6464246	-0.071041	
7211 61829 5	0.6224	103.02	17.143	94.636	0.6284733	-0.084248	-0.0061
7211 6182935	0.5875	103.02	16.526	93.167	0.5845062	-0.104944	0.0030
7211 6182950		103.03	16.214	92.437	0.5593678	-0.112430	
7211 61830 5	0.5335	103.04	15.900	91.709	0.5326331	-0.119492	0.0009
7211 6183035	0.4693	103.07	15.264	90.259	0.4736242	-0.136853	-0.0043
7211 6183050		103.09	14.942	89.537	0.4408488	-0.147154	
7211 61831 5	0.4102	103.11	14.618	88.818	0.4057533	-0.156601	0.0044
7211 6183135	0.3286	103.16	13.964	87.386	0.3305823	-0.167193	-0.0020
7211 6183150		103.19	13.634	86.673	0.2917835	-0.168333	
7211 61832 5	0.2542	103.22	13.302	85.962	0.2528989	-0.169048	0.0013
7211 6183235	0.1697	103.30	12.632	84.546	0.1734876	-0.176243	-0.0038
7211 6183250		103.34	12.294	83.840	0.1320719	-0.182728	
7211 61833 5	0.0970	103.39	11.954	83.137	0.0894103	-0.185525	0.0076
7211 6183335	-0.0012	103.49	11.270	81.736	0.0074702	-0.163243	-0.0087
7211 6183350		103.54	10.925	81.037	-0.0275121	-0.138146	
7211 61834 5	-0.0549	103.60	10.579	80.341	-0.0562598	-0.112356	0.0014
7211 6183435	-0.0899	103.72	9.883	78.953	-0.1004561	-0.084347	0.0106
7211 6183450		103.79	9.532	78.261	-0.1195302	-0.082144	
7211 61835 5	-0.1525	103.86	9.180	77.571	-0.1382585	-0.078358	-0.0142
7211 6183535	-0.1591	104.00	8.473	76.194	-0.1667368	-0.037646	0.0076
7211 6183550		104.08	8.118	75.508	-0.1713774	-0.000698	
7211 61836 5	-0.1666	104.16	7.761	74.823	-0.1669510	0.037732	0.0004
7211 6183635	-0.1414	104.33	7.045	73.457	-0.1360976	0.090580	-0.0053
7211 6183650		104.42	6.685	72.775	-0.1133604	0.104981	
7211 61837 5	-0.0804	104.51	6.325	72.095	-0.0881357	0.112827	0.0077
7211 6183735	-0.0428	104.70	5.602	70.737	-0.0351526	0.113315	-0.0076
7211 6183750		104.80	5.239	70.060	-0.0097351	0.105948	
7211 61838 5	0.0179	104.90	4.875	69.383	0.0134630	0.094682	0.0044
7211 6183835	0.0498	105.11	4.146	68.032	0.0504953	0.063913	-0.0007
7211 6183850		105.22	3.781	67.358	0.0630563	0.044404	
7211 61839 5	0.0726	105.33	3.416	66.684	0.0706633	0.020532	0.0019
7211 6183935	0.0589	105.57	2.683	65.338	0.0658699	-0.045316	-0.0070
7211 6183950		105.69	2.316	64.666	0.0506716	-0.087303	
7211 61840 5	0.0339	105.81	1.949	63.995	0.0258272	-0.125948	0.0081
7211 6184035	-0.0477	106.06	1.214	62.652	-0.0433610	-0.165346	-0.0043
7211 6184050		106.19	0.847	61.982	-0.0818761	-0.166076	

7211 61841 5	-0.1182	106.32	0.479	61.311	-0.1196742	-0.162110	0.0015
7211 6184145	-0.2208	106.69	-0.501	59.525	-0.2199147	-0.167452	-0.0009
7211 61842 5	-0.991	106.88	-0.991	58.631	-0.2730805	-0.178817	
7211 6184225	-0.3304	107.07	-1.480	57.737	-0.3294733	-0.185237	-0.0009
7211 6184255	-0.4070	107.37	-2.214	56.397	-0.4117924	-0.165491	0.0048
7211 6184310		107.52	-2.580	55.726	-0.4475140	-0.142379	
7211 6184325	-0.4841	107.67	-2.946	55.055	-0.4770354	-0.112839	-0.0071
7211 6184355	-0.5068	107.99	-3.676	53.712	-0.5132856	-0.041472	0.0065
7211 6184410		108.15	-4.040	53.040	-0.5181113	0.000364	
7211 6184425	-0.5188	108.31	-4.404	52.367	-0.5134098	0.038483	-0.0054
7211 6184455	-0.4797	108.64	-5.129	51.021	-0.4843027	0.080408	0.0045
7211 6184510		108.81	-5.490	50.346	-0.4649748	0.084192	
7211 6184525	-0.4488	108.98	-5.851	49.671	-0.4460435	0.078740	-0.0028
7211 6184555	-0.4149	109.33	-6.570	48.319	-0.4159888	0.046777	0.0011
7211 6184610		109.50	-6.928	47.642	-0.4081132	0.020252	
7211 6184625	-0.4094	109.68	-7.284	46.963	-0.4070460	-0.011623	-0.0024
7211 6184655	-0.4235	110.04	-7.995	45.604	-0.4291488	-0.086618	0.0056
7211 6184710		110.22	-8.348	44.922	-0.4540615	-0.129744	
7211 6184725	-0.4953	110.41	-8.701	44.240	-0.4889288	-0.171392	-0.0064
7211 6184755	-0.5806	110.78	-9.401	42.872	-0.5837314	-0.234882	0.0031
7211 6184810		110.97	-9.749	42.186	-0.6406263	-0.256711	
7211 6184825	-0.6994	111.17	-10.096	41.499	-0.7014368	-0.268008	0.0020
7211 6184855	-0.8285	111.55	-10.785	40.120	-0.8226245	-0.247365	-0.0059
7211 6184910		111.75	-11.128	39.429	-0.8763404	-0.215397	
7211 6184925	-0.9161	111.95	-11.468	38.736	-0.9204129	-0.161826	0.0043
7211 6184955	-0.9541	112.35	-12.144	37.346	-0.9548299	0.031983	0.0007
7211 6185010		112.55	-12.480	36.648	-0.9317990	0.172277	
7211 6185025	-0.8768	112.75	-12.813	35.949	-0.8751751	0.314391	-0.0016
7211 6185055	-0.6798	113.16	-13.474	34.546	-0.6778409	0.523800	-0.0020
7211 6185110		113.37	-13.802	33.841	-0.5486208	0.591047	
7211 6185125	-0.4034	113.57	-14.127	33.135	-0.4065034	0.636429	0.0031
7211 6185155	-0.0993	113.99	-14.772	31.717	-0.0977549	0.689318	-0.0015
7211 6185210		114.20	-15.091	31.005	0.0621303	0.692809	
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7211 6185255	0.4970	114.84	-16.034	28.858	0.5053840	0.540617	-0.0084
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7211 61854 0	0.8060	115.78	-17.356	25.723	0.8084905	0.104047	-0.0025
7211 6185417		116.03	-17.704	24.872	0.8274727	0.041234	
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7211 61855 5	0.8422	116.73	-18.628	22.547	0.86653	0.063804	-0.0045
7211 6185520		116.95	-18.914	21.808	0.881846	0.136452	
7211 6185535	0.9143	117.17	-19.197	21.066	0.9099502	0.212999	0.0043
7211 61856 5	1.0309	117.61	-19.754	19.576	1.0309844	0.295646	-0.0001
7211 6185620		117.84	-20.028	18.828	1.1004167	0.301699	
7211 6185635	1.1657	118.06	-20.298	18.077	1.1688918	0.289794	-0.0032
7211 61857 5	1.2934	118.51	-20.829	16.568	1.2905046	0.228762	0.0029
7211 6185720		118.73	-21.090	15.810	1.3379011	0.179611	
7211 6185735	1.3739	118.96	-21.347	15.049	1.3733406	0.129227	0.0006
7211 61858 5	1.4104	119.40	-21.851	13.520	1.4150339	0.057956	-0.0046
7211 6185820		119.63	-22.097	12.752	1.4258196	0.037089	
7211 6185835	1.4375	119.85	-22.340	11.981	1.4325342	0.021086	0.0050
7211 61859 5	1.4337	120.30	-22.815	10.433	1.4347892	-0.011427	-0.0011
7211 6185920		120.53	-23.046	9.655	1.4302465	-0.027939	
7211 6185935	1.4183	120.75	-23.274	8.874	1.4218264	-0.045315	-0.0035
7211 619 0 5	1.3983	121.20	-23.718	7.306	1.3920182	-0.084880	0.0063
7211 619 020		121.43	-23.934	6.518	1.3698831	-0.107072	
7211 619 035	1.3369	121.65	-24.146	5.728	1.3426560	-0.128385	-0.0058
7211 619 1 5	1.2790	122.09	-24.557	4.141	1.2753257	-0.161078	0.0037
7211 619 120		122.32	-24.756	3.343	1.2367468	-0.172452	
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7211 619 220		123.21	-25.511	0.131	1.0550730	-0.225937	
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7211 619 420		124.95	-26.804	-6.398	0.5766566	-0.288846	
7211 619 435	0.5076	125.16	-26.944	-7.223	0.5084304	-0.302148	-0.0008
7211 619 5 5	0.3667	125.59	-27.211	-8.879	0.3641038	-0.321449	0.0026
7211 619 520		125.80	-27.337	-9.709	0.2891251	-0.327443	
7211 619 535	0.2122	126.01	-27.458	-10.541	0.2129906	-0.332658	-0.0008
7211 619 6 5	0.0544	126.43	-27.685	-12.210	0.0565182	-0.345777	-0.0021
7211 619 620		126.64	-27.791	-13.047	-0.0242357	-0.353683	
7211 619 635	-0.1036	126.85	-27.893	-13.885	-0.1065397	-0.358607	0.0029
7211 619 7 5	-0.2730	127.26	-28.079	-15.565	-0.2706878	-0.347917	-0.0023
7211 619 720		127.46	-28.165	-16.407	-0.3493676	-0.332290	
7211 619 735	-0.4193	127.66	-28.246	-17.250	-0.4237718	-0.312367	0.0045
7211 619 8 5	-0.5655	128.06	-28.392	-18.939	-0.5578285	-0.267184	-0.0077
7211 619 820		128.26	-28.457	-19.785	-0.6166523	-0.241920	
7211 619 835	-0.6652	128.46	-28.517	-20.632	-0.6696188	-0.217913	0.0044
7211 619 9 5	-0.7576	128.84	-28.621	-22.327	-0.7614211	-0.182604	0.0038
7211 619 920		129.04	-28.665	-23.176	-0.8022080	-0.171309	
7211 619 935	-0.8473	129.23	-28.703	-24.025	-0.8405361	-0.160318	-0.0068
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7211 6191020		129.79	-28.788	-26.575	-0.9344382	-0.105329	
7211 6191035	-0.9557	129.97	-28.806	-27.425	-0.9560000	-0.081602	0.0003
7211 6191120	-0.9886	130.51	-28.827	-29.977	-0.9881202	-0.011419	-0.0005
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7211 6191435	-0.6837	132.67	-28.370	-40.985	-0.6902832	0.078852	0.0066
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7211 6191550		133.40	-27.962	-45.173	-0.6499852	0.038352	
7211 61916 5	-0.6469	133.54	-27.865	-46.006	-0.6383434	0.063217	-0.0086
7211 6191635	-0.5836	133.82	-27.657	-47.668	-0.5955504	0.124789	0.0120
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7211 61917 5	-0.5282	134.08	-27.429	-49.322	-0.5212432	0.194969	-0.0070
7211 6191735	-0.4257	134.34	-27.182	-50.969	-0.4213563	0.230827	-0.0043
7211 6191750		134.46	-27.051	-51.789	-0.3675727	0.233197	
7211 61918 5	-0.3068	134.58	-26.916	-52.608	-0.3142121	0.228827	0.0074
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7211 6191935	-0.0306	135.26	-26.007	-57.472	-0.0398635	0.171352	0.0093
7211 6191950		135.36	-25.840	-58.275	-0.0003375	0.171675	
7211 61920 5	0.0302	135.46	-25.668	-59.075	0.0395352	0.173815	-0.0093
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7211 6192135	0.2883	136.02	-24.550	-63.826	0.2839032	0.183401	0.0044
7211 6192150		136.10	-24.350	-64.610	0.3270502	0.190620	
7211 61922 5	0.3736	136.18	-24.145	-65.390	0.3717146	0.195330	0.0019
7211 6192235	0.4518	136.33	-23.724	-66.943	0.4601518	0.182928	-0.0084
7211 6192250		136.41	-23.508	-67.716	0.5005621	0.165802	
7211 61923 5	0.5436	136.47	-23.288	-68.486	0.5366637	0.148174	0.0069
7211 6192335	0.6016	136.60	-22.837	-70.018	0.6002938	0.131635	0.0013
7211 6192350		136.67	-22.606	-70.781	0.6307022	0.132737	
7211 61924 5	0.6552	136.72	-22.371	-71.540	0.6615039	0.132910	-0.0063
7211 6192435	0.7236	136.83	-21.892	-73.052	0.7185802	0.108940	0.0050
7211 6192450		136.88	-21.647	-73.804	0.7411066	0.084780	
7211 61925 5	0.7554	136.93	-21.399	-74.553	0.7572093	0.053908	-0.0018
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7211 6192550		137.05	-20.635	-76.785	0.7540821	-0.070996	

7211 61926 5	0.7287	137.08	-20.374	-77.524	0.7318225	-0.122605	-0.0031
7211 6192635	0.6568	137.15	-19.843	-78.995	0.6492785	-0.237576	0.0075
7211 6192650		137.18	-19.573	-79.726	0.5871670	-0.300946	
7211 61927 5	0.5047	137.20	-19.300	-80.455	0.5110135	-0.355653	-0.0063
7211 6192735	0.3334	137.24	-18.745	-81.906	0.3329228	-0.401753	0.0005
7211 6192750		137.26	-18.464	-82.627	0.2407283	-0.393106	
7211 61928 5	0.1536	137.27	-18.180	-83.347	0.1526328	-0.368838	0.0010
7211 6192835	0.0015	137.28	-17.604	-84.778	-0.0009817	-0.289859	0.0025
7211 6192850		137.29	-17.312	-85.491	-0.0618006	-0.235127	
7211 61929 5	-0.1121	137.29	-17.018	-86.201	-0.1093084	-0.177332	-0.0028
7211 6192935	-0.1671	137.28	-16.422	-87.614	-0.1665895	-0.073417	-0.0005
7211 6192950		137.28	-16.120	-88.318	-0.1781452	-0.027305	
7211 61930 5	-0.1797	137.26	-15.816	-89.019	-0.1800038	0.008387	0.0003
7211 6193035	-0.1658	137.23	-15.202	-90.416	-0.1687242	0.029238	0.0029
7211 6193050		137.22	-14.892	-91.111	-0.1633642	0.014366	
7211 61931 5	-0.1636	137.19	-14.579	-91.804	-0.1624959	-0.005798	-0.0011
7211 6193135	-0.1769	137.14	-13.948	-93.185	-0.1711190	-0.027389	-0.0058
7211 6193150		137.11	-13.630	-93.872	-0.1777285	-0.028805	
7211 61932 5	-0.1743	137.07	-13.310	-94.558	-0.1838988	-0.023475	0.0096
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7211 6193250		136.96	-12.338	-96.604	-0.1833325	0.035976	
7211 61933 5	-0.1693	136.91	-12.011	-97.283	-0.1712350	0.070014	0.0019
7211 6193335	-0.1164	136.81	-11.351	-98.636	-0.1195476	0.158402	0.0031
7211 6193350		136.76	-11.019	-99.310	-0.0768167	0.212765	
7211 61934 5	-0.0249	136.70	-10.686	-99.982	-0.0213396	0.266959	-0.0036
7211 6193435	0.1241	136.58	-10.014	-101.323	0.1231747	0.354412	0.0009
7211 6193450		136.52	-9.677	-101.992	0.2090010	0.387657	
7211 61935 5	0.2986	136.45	-9.338	-102.659	0.3010372	0.406516	-0.0024
7211 6193535	0.4934	136.30	-8.656	-103.989	0.4857258	0.379068	0.0077
7211 6193550		136.23	-8.313	-104.653	0.5683330	0.332719	
7211 61936 5	0.6294	136.15	-7.969	-105.315	0.6381082	0.270207	-0.0087
7211 6193635	0.7327	135.99	-7.278	-106.637	0.7282161	0.113045	0.0045
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7211 6222325	0.5190	103.65	22.680	108.086	0.5189263	0.037243	0.0001
7211 6222340		103.59	22.438	107.297	0.5287070	0.051734	
7211 6222355	0.5431	103.54	22.193	106.512	0.5434203	0.074190	-0.0003
7211 6222425	0.5832	103.44	21.692	104.949	0.5828247	0.090046	0.0004
7211 6222440		103.39	21.436	104.172	0.6030436	0.083427	
7211 6222455	0.6216	103.35	21.176	103.397	0.6210432	0.072914	0.0006
7211 6222525	0.6487	103.27	20.646	101.856	0.6508726	0.057572	-0.0022

7211	6222540		103.24	20.376	101.090	0.6635754	0.052747		7211	6224810		111.59	-10.579	38.527	-0.9963247	-0.173915
7211	6222555	0.6782	103.21	20.103	100.326	0.6750973	0.046255	0.0031	7211	6224825	-1.0280	111.78	-10.922	37.836	-1.0276124	-0.094872
7211	6222625	0.6875	103.15	19.546	98.806	0.6906282	0.017528	-0.0031	7211	6224855	-1.0274	112.18	-11.602	36.451	-1.0270680	0.106929
7211	6222640		103.13	19.263	98.050	0.6922086	-0.004717		7211	6224910		112.38	-11.940	35.756	-0.9884740	0.229714
7211	6222655	0.6916	103.11	18.977	97.297	0.6884273	-0.027310	0.0032	7211	6224925	-0.9208	112.58	-12.276	35.059	-0.9211287	0.351248
7211	6222725	0.6649	103.08	18.396	95.797	0.6678106	-0.058996	-0.0029	7211	6224955	-0.7113	112.99	-12.943	33.661	-0.7118888	0.543961
7211	6222740		103.07	18.101	95.052	0.6530497	-0.068078		7211	6225010		113.19	-13.273	32.960	-0.5777196	0.615107
7211	6222755	0.6372	103.07	17.803	94.308	0.6363656	-0.077366	0.0008	7211	6225025	-0.4303	113.40	-13.601	32.256	-0.4295168	0.665437
7211	6222825	0.5956	103.06	17.199	92.829	0.5936955	-0.110775	0.0019	7211	6225055	-0.1128	113.81	-14.252	30.844	-0.1123450	0.692091
7211	6222840		103.06	16.893	92.093	0.5654204	-0.134905		7211	6225110		114.02	-14.574	30.135	0.0452314	0.668366
7211	6222855	0.5299	103.07	16.584	91.360	0.5315365	-0.157472	-0.0016	7211	6225125	0.1972	114.23	-14.894	29.425	0.1944353	0.621292
7211	6222925	0.4518	103.09	15.959	89.900	0.4527350	-0.178544	-0.0009	7211	6225155	0.4433	114.66	-15.527	27.997	0.4476410	0.460877
7211	6222940		103.10	15.643	89.173	0.4115196	-0.177033		7211	6225210		114.87	-15.840	27.281	0.5414142	0.347494
7211	6222955	0.3720	103.12	15.325	88.449	0.3711729	-0.173297	0.0008	7211	6225225	0.6103	115.09	-16.150	26.562	0.6081374	0.234725
7211	6223025	0.2933	103.16	14.681	87.007	0.2909623	-0.176561	0.0023	7211	6225255	0.6795	115.52	-16.764	25.119	0.6768602	0.078386
7211	6223040		103.18	14.356	86.289	0.2494449	-0.183568		7211	6225310		115.73	-17.067	24.394	0.6894924	0.034661
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7211	6223125	0.1211	103.28	13.368	84.149	0.1166809	-0.194903	0.0044	7211	6225355	0.7119	116.39	-17.960	22.205	0.7100437	0.067231
7211	6223140		103.32	13.035	83.439	0.0719392	-0.191992		7211	6225410		116.61	-18.252	21.472	0.7328531	0.135047
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7211 7104042		108.25	-2.418	47.910	-0.6119801	0.092582	
7211 71041 0	-0.5860	108.44	-2.856	47.105	-0.5877210	0.082592	0.0017
7211 7104136	-0.5447	108.83	-3.729	45.494	-0.5478526	0.060978	0.0032
7211 7104154		109.03	-4.165	44.687	-0.5325503	0.049352	
7211 7104212	-0.5242	109.23	-4.599	43.880	-0.5210024	0.032359	-0.0032
7211 7104248	-0.5198	109.64	-5.465	42.263	-0.5191014	-0.032312	-0.0007
7211 71043 6		109.85	-5.897	41.453	-0.5344273	-0.080007	
7211 7104324	-0.5640	110.06	-6.327	40.642	-0.5634176	-0.127638	-0.0006
7211 71044 0	-0.6481	110.49	-7.183	39.017	-0.6538656	-0.192027	0.0058
7211 7104418		110.71	-7.608	38.202	-0.7096252	-0.208775	
7211 7104436	-0.7713	110.93	-8.033	37.386	-0.7674879	-0.203460	-0.0038
7211 7104512	-0.8589	111.38	-8.876	35.749	-0.8554026	-0.091336	-0.0035
7211 7104536		111.69	-9.434	34.654	-0.8632963	0.058629	
7211 71046 0	-0.8032	112.00	-9.988	33.556	-0.8103175	0.223185	0.0071
7211 7104648	-0.5580	112.63	-11.085	31.350	-0.5504441	0.459877	-0.0076
7211 71047 6		112.87	-11.492	30.519	-0.4147118	0.516858	
7211 7104724	-0.2613	113.11	-11.897	29.685	-0.2668838	0.543516	0.0056
7211 71048 0	0.0188	113.60	-12.699	28.012	0.0210441	0.467115	-0.0022
7211 7104818		113.84	-13.096	27.172	0.1371773	0.364020	
7211 7104836	0.2237	114.09	-13.490	26.329	0.2219056	0.252129	0.0018
7211 7104912	0.3131	114.59	-14.269	24.636	0.3161225	0.105030	-0.0030
7211 7104930		114.84	-14.654	23.785	0.3397543	0.069862	
7211 7104948	0.3579	115.10	-15.036	22.932	0.3572070	0.060485	0.0007
7211 7105024	0.4060	115.61	-15.790	21.216	0.4023333	0.119749	0.0037
7211 7105042		115.86	-16.162	20.354	0.4444408	0.188433	
7211 71051 0	0.5048	116.12	-16.530	19.490	0.5068383	0.258539	-0.0020
7211 7105136	0.6707	116.64	-17.255	17.751	0.6740547	0.329791	-0.0034
7211 7105154		116.90	-17.612	16.876	0.76661450	0.330881	
7211 7105212	0.8560	117.16	-17.965	15.999	0.8556026	0.312709	0.0004
7211 7105248	1.0174	117.69	-18.659	14.235	1.0087472	0.229825	0.0087
7211 71053 6		117.95	-19.000	13.347	0.10638226	0.165087	
7211 7105324	1.0928	118.22	-19.336	12.457	1.1002853	0.101042	-0.0075
7211 71054 0	1.1284	118.75	-19.995	10.666	1.1316494	0.023405	-0.0032
7211 7105418		119.01	-20.318	9.765	1.1358643	0.009827	
7211 7105436	1.1439	119.28	-20.636	8.860	1.1376761	0.002552	0.0062
7211 7105512	1.1318	119.81	-21.258	7.042	1.1323198	-0.024711	-0.0005
7211 7105533		120.12	-21.611	5.974	1.1206535	-0.048440	
7211 7105554	1.1007	120.43	-21.958	4.901	1.1008080	-0.074051	-0.0001
7211 7105636	1.0322	121.05	-22.630	2.742	1.0378989	-0.119292	-0.0057
7211 7105654		121.32	-22.909	1.811	1.0024512	-0.136250	
7211 7105712	0.9684	121.59	-23.182	0.877	0.9623241	-0.154167	0.0061
7211 7105748	0.8649	122.12	-23.713	-1.004	0.8647760	-0.200277	0.0001
7211 71058 6		122.38	-23.969	-1.949	0.8054495	-0.228475	
7211 7105824	0.7381	122.64	-24.220	-2.898	0.7384658	-0.253714	-0.0004
7211 71059 0	0.5842	123.17	-24.703	-4.805	0.5899416	-0.276274	-0.0057
7211 7105918		123.43	-24.936	-5.765	0.5135559	-0.273588	
7211 7105936	0.4443	123.69	-25.162	-6.727	0.4384517	-0.270070	0.0058
7211 711 012	0.2864	124.21	-25.596	-8.660	0.2858259	-0.285974	0.0006
7211 711 030		124.47	-25.804	-9.632	0.2040988	-0.305395	
7211 711 048	0.1146	124.72	-26.005	-10.607	0.1167316	-0.323813	-0.0021
7211 711 124	-0.0689	125.23	-26.387	-12.566	-0.0666435	-0.331695	-0.0023
7211 711 142		125.49	-26.568	-13.550	-0.1573395	-0.321147	
7211 711 2 0	-0.2410	125.74	-26.742	-14.536	-0.2442134	-0.306843	0.0032
7211 711 236	-0.4075	126.24	-27.069	-16.517	-0.4076411	-0.284566	0.0001
7211 711 254		126.49	-27.223	-17.512	-0.4853598	-0.276597	
7211 711 312	-0.5607	126.73	-27.369	-18.507	-0.5606564	-0.266085	0.0000
7211 711 348	-0.7019	127.22	-27.640	-20.508	-0.6975730	-0.223388	-0.0043
7211 711 4 6		127.46	-27.765	-21.511	-0.7551819	-0.191191	
7211 711 424	-0.7968	127.70	-27.883	-22.517	-0.8034815	-0.158725	0.0067
7211 711 5 0	-0.8831	128.17	-28.096	-24.532	-0.8777242	-0.113737	-0.0054
7211 711 518		128.41	-28.192	-25.543	-0.9073479	-0.101220	
7211 711 536	-0.9302	128.64	-28.280	-26.555	-0.9338402	-0.089134	0.0036

7211 711 612	-0.9757	129.10	-28.434	-28.582	-0.9727767	-0.047550	-0.0029
7211 711 630		129.32	-28.500	-29.598	-0.9819970	-0.018057	
7211 711 648	-0.9798	129.54	-28.559	-30.614	-0.9824902	0.014575	0.0027
7211 711 724	-0.9587	129.98	-28.653	-32.650	-0.9560261	0.081272	-0.0027
7211 711 742		130.20	-28.688	-33.669	-0.9287885	0.115351	
7211 711 8 0	-0.8898	130.41	-28.716	-34.687	-0.8927650	0.142548	0.0030
7211 711 836	-0.8116	130.83	-28.749	-36.725	-0.8078777	0.154458	-0.0037
7211 711 854		131.03	-28.755	-37.745	-0.7668628	0.139136	
7211 711 912	-0.7264	131.24	-28.752	-38.763	-0.7314757	0.116340	0.0051
7211 711 948	-0.6854	131.64	-28.724	-40.800	-0.6801757	0.068326	-0.0052
7211 71110 6		131.83	-28.699	-41.818	-0.6647178	0.043106	
7211 7111024	-0.6548	132.03	-28.666	-42.835	-0.6555333	0.026083	0.0007
7211 71111 0	-0.6343	132.40	-28.578	-44.865	-0.6394168	0.043548	0.0051
7211 7111118		132.58	-28.523	-45.879	-0.6229689	0.078050	
7211 7111136	-0.5983	132.76	-28.460	-46.891	-0.5955254	0.119649	-0.0028
7211 7111212	-0.5136	133.11	-28.313	-48.911	-0.5080855	0.194023	-0.0055
7211 7111230		133.28	-28.228	-49.918	-0.4497367	0.226781	
7211 7111248	-0.3773	133.45	-28.135	-50.924	-0.3833345	0.249962	0.0060
7211 7111324	-0.2413	133.78	-27.929	-52.930	-0.2424741	0.247708	0.0012
7211 7111342		133.93	-27.815	-53.929	-0.1769709	0.222253	
7211 71114 0	-0.1220	134.09	-27.694	-54.926	-0.1196159	0.193816	-0.0024
7211 7111436	-0.0246	134.39	-27.431	-56.913	-0.0214203	0.167479	-0.0032
7211 7111454		134.53	-27.289	-57.902	0.0250580	0.169604	
7211 7111512	0.0764	134.67	-27.140	-58.888	0.0730987	0.177697	0.0033
7211 7111548	0.1788	134.95	-26.822	-60.854	0.1771576	0.199137	0.0016
7211 71116 6		135.07	-26.653	-61.832	0.2341494	0.212486	
7211 7111624	0.2957	135.20	-26.477	-62.807	0.2945475	0.222191	0.0012
7211 71117 0	0.4093	135.44	-26.106	-64.747	0.4171856	0.214534	-0.0079
7211 7111718		135.56	-25.910	-65.712	0.4744252	0.197164	
7211 7111736	0.5255	135.67	-25.709	-66.674	0.5264184	0.179833	-0.0009
7211 7111812	0.6334	135.88	-25.287	-68.587	0.6223277	0.172441	0.0111
7211 7111830		135.98	-25.067	-69.539	0.6712608	0.182385	
7211 7111848	0.7286	136.08	-24.841	-70.487	0.7231762	0.190252	0.0054
7211 7111924	0.8095	136.26	-24.372	-72.373	0.8243813	0.166243	-0.0149
7211 7112042		136.60	-23.277	-76.407	0.9084828	-0.067605	
7211 71122 0	0.6692	136.87	-22.082	-80.371	0.6540663	-0.321653	0.0151
7211 7112236	0.4550	136.96	-21.498	-82.177	0.4607980	-0.368680	-0.0058
7211 7112254		137.00	-21.199	-83.075	0.3574025	-0.375559	
7211 7112312	0.2426	137.04	-20.896	-83.968	0.2546896	-0.361100	-0.0121
7211 7112348	0.0867	137.11	-20.275	-85.745	0.0830718	-0.237404	0.0036
7211 71124 6		137.13	-19.958	-86.629	0.0316972	-0.128115	
7211 7112424	0.0188	137.16	-19.636	-87.508	0.0117560	-0.022297	0.0070
7211 71125 0	0.0293	137.19	-18.981	-89.256	0.0332080	0.074127	-0.0039
7211 7112518		137.19	-18.647	-90.125	0.0533270	0.064701	
7211 7112536	0.0659	137.20	-18.309	-90.990	0.0667804	0.030650	-0.0009
7211 7112612	0.0595	137.20	-17.622	-92.711	0.0578829	-0.069997	0.0016
7211 7112630		137.19	-17.273	-93.566	0.0295228	-0.136578	
7211 7112648	-0.0175	137.18	-16.921	-94.419	-0.0172085	-0.196964	-0.0003
7211 7112724	-0.1454	137.15	-16.205	-96.114	-0.1447790	-0.248048	-0.0006
7211 7112742		137.12	-15.842	-96.957	-0.2127750	-0.238727	
7211 71128 0	-0.2764	137.10	-15.476	-97.796	-0.2750700	-0.208102	-0.0013
7211 7112836	-0.3563	137.03	-14.734	-99.467	-0.3608285	-0.088548	0.0045
7211 7112854		136.99	-14.359	-100.299	-0.3734896	0.000429	
7211 7112912	-0.3633	136.95	-13.981	-101.126	-0.3597491	0.098717	-0.0036
7211 7112948	-0.2522	136.85	-13.216	-102.775	-0.2509911	0.293498	-0.0012
7211 71130 6		136.79	-12.830	-103.597	-0.1562762	0.389989	
7211 7113024	-0.0338	136.74	-12.441	-104.415	-0.0373849	0.459870	0.0036
7211 71131 0	0.2200	136.60	-11.656	-106.043	0.2221730	0.442173	-0.0022
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7211 7141835	0.6877	104.35	24.885	107.905	0.6876948	0.005713	0.0000
7211 7141911	0.6893	104.18	24.398	105.954	0.6897088	0.008290	-0.0004
7211 7141929		104.10	24.146	104.984	0.6940381	0.024643	
7211 7141947	0.7052	104.03	23.887	104.018	0.7033945	0.041362	0.0018
7211 7142023	0.7267	103.89	23.352	102.097	0.7295548	0.046862	-0.0029
7211 7142041		103.83	23.075	101.142	0.7412026	0.035634	
7211 7142059	0.7494	103.77	22.793	100.192	0.7489552	0.020684	0.0004
7211 7142135	0.7567	103.67	22.212	98.301	0.7533179	-0.003705	0.0034
7211 7142153		103.62	21.914	97.362	0.7509412	-0.013138	
7211 7142211	0.7442	103.58	21.610	96.427	0.7459466	-0.023587	-0.0017
7211 7142247	0.7213	103.51	20.987	94.568	0.7245720	-0.056176	-0.0033
7211 71423 5		103.48	20.667	93.645	0.7060265	-0.078324	
7211 7142323	0.6821	103.45	20.343	92.725	0.6811054	-0.101273	0.0010
7211 7142359	0.6201	103.42	19.681	90.898	0.6137490	-0.140383	0.0064
7211 7142417		103.40	19.343	89.989	0.5725647	-0.156542	
7211 7142435	0.5231	103.39	19.001	89.085	0.5271207	-0.171685	-0.0040
7211 7142511	0.4182	103.39	18.303	87.287	0.4234439	-0.202732	-0.0052
7211 7142529		103.40	17.947	86.394	0.3650919	-0.218628	
7211 7142547	0.3048	103.41	17.588	85.504	0.3026525	-0.230981	0.0021
7211 7142623	0.1819	103.44	16.858	83.735	0.1725753	-0.233677	0.0093
7211 7142644		103.46	16.425	82.709	0.0986782	-0.221687	
7211 71427 5	0.0212	103.49	15.987	81.688	0.0297836	-0.205140	-0.0086
7211 7142747	-0.0960	103.57	15.097	79.660	-0.0927427	-0.174546	-0.0033
7211 71428 5		103.62	14.711	78.796	-0.1394221	-0.162460	
7211 7142823	-0.1762	103.66	14.321	77.935	-0.1822080	-0.144448	0.0060
7211 7142859	-0.2410	103.76	13.532	76.222	-0.2441798	-0.070953	0.0032
7211 7142917		103.82	13.133	75.370	-0.2564385	-0.015458	
7211 7142935	-0.2578	103.88	12.731	74.521	-0.2530875	0.036358	-0.0047
7211 7143011	-0.2209	104.02	11.920	72.831	-0.2170305	0.080592	-0.0039
7211 7143029		104.10	11.511	71.990	-0.1953022	0.072991	
7211 7143047	-0.1718	104.17	11.100	71.151	-0.1777354	0.053026	0.0059
7211 7143123	-0.1621	104.34	10.270	69.481	-0.1626011	-0.001676	0.0005
7211 7143141		104.44	9.851	68.649	-0.1677681	-0.036430	
7211 7143159	-0.1852	104.53	9.432	67.820	-0.1827327	-0.070727	-0.0025
7211 7143235	-0.2385	104.73	8.586	66.167	-0.2372066	-0.122094	-0.0013
7211 7143253		104.84	8.160	65.343	-0.2735437	-0.139150	
7211 7143311	-0.3134	104.95	7.734	64.522	-0.3135631	-0.148224	0.0002
7211 7143347	-0.3888	105.18	6.875	62.884	-0.3941300	-0.135848	0.0053
7211 71434 5		105.30	6.444	62.068	-0.4290358	-0.114381	
7211 7143423	-0.4609	105.43	6.011	61.252	-0.4573348	-0.091063	-0.0036
7211 7143459	-0.5032	105.69	5.143	59.627	-0.4990336	-0.063779	-0.0042
7211 7143517		105.83	4.707	58.816	-0.5160059	-0.059818	
7211 7143535	-0.5288	105.96	4.271	58.006	-0.5325903	-0.060384	0.0038
7211 7143611	-0.5632	106.26	3.396	56.389	-0.5680401	-0.069315	0.0048
7211 7143629		106.41	2.957	55.582	-0.5883384	-0.077678	

7211 7143647	-0.6185	106.56	2.518	54.775	-0.6106234	-0.081170	-0.0079
7211 7143723	-0.6469	106.88	1.639	53.164	-0.6495536	-0.051131	0.0027
7211 7143741		107.05	1.199	52.360	-0.6593609	-0.017578	
7211 7143759	-0.6571	107.21	0.759	51.556	-0.6590433	0.018758	0.0019
7211 7143835	-0.6353	107.56	-0.122	49.948	-0.6328359	0.071389	-0.0025
7211 7143853		107.74	-0.562	49.145	-0.6106386	0.087667	
7211 7143911	-0.5833	107.91	-1.002	48.342	-0.5846466	0.099830	0.0013
7211 7143947	-0.5235	108.28	-1.881	46.734	-0.5235666	0.119680	0.0001
7211 71440 5		108.48	-2.320	45.930	-0.4893031	0.127363	
7211 7144023	-0.4549	108.67	-2.758	45.126	-0.4535540	0.129066	-0.0013
7211 7144111	-0.3686	109.19	-3.923	42.979	-0.3708416	0.082486	0.0022
7211 7144135		109.47	-4.504	41.904	-0.3492522	0.031295	
7211 7144159	-0.3517	109.74	-5.083	40.827	-0.3488093	-0.028761	-0.0029
7211 7144235	-0.3871	110.16	-5.947	39.209	-0.3893619	-0.117334	0.0023
7211 7144253		110.38	-6.378	38.399	-0.4279393	-0.160960	
7211 7144311	-0.4772	110.59	-6.806	37.587	-0.4770125	-0.188105	-0.0002
7211 7144347	-0.5767	111.04	-7.660	35.960	-0.5753046	-0.145118	-0.0014
7211 71444 5		111.26	-8.085	35.144	-0.6065434	-0.074932	
7211 7144423	-0.6146	111.49	-8.507	34.327	-0.6151471	0.013481	0.0005
7211 7144459	-0.5543	111.95	-9.347	32.688	-0.5560410	0.202632	0.0017
7211 7144517		112.18	-9.764	31.865	-0.4860404	0.303373	
7211 7144535	-0.3911	112.41	-10.179	31.041	-0.3892687	0.390172	-0.0018
7211 7144611	-0.1459	112.89	-11.002	29.387	-0.1456181	0.468073	-0.0003
7211 7144629		113.13	-11.411	28.557	-0.0164630	0.459146	
7211 7144647	0.1072	113.37	-11.816	27.725	0.1062140	0.422796	0.0010
7211 7144723	0.3059	113.86	-12.620	26.053	0.3054968	0.281280	0.0004
7211 7144741		114.11	-13.018	25.214	0.3694061	0.176056	
7211 7144759	0.4027	114.36	-13.413	24.373	0.4041513	0.082703	-0.0015
7211 7144835	0.4286	114.86	-14.195	22.681	0.4282494	0.035277	0.0004
7211 7144859		115.20	-14.709	21.548	0.4519959	0.107014	
7211 7144923	0.5142	115.54	-15.218	20.410	0.5105777	0.205579	0.0036
7211 7145011	0.7009	116.22	-16.217	18.119	0.7104342	0.316315	-0.0095
7211 7145029		116.48	-16.585	17.254	0.8000595	0.328102	
7211 7145047	0.8983	116.74	-16.950	16.386	0.8906697	0.323305	0.0076
7211 7145123	1.0588	117.26	-17.668	14.641	1.0561832	0.262862	0.0026
7211 7145141		117.53	-18.021	13.764	1.1217152	0.207182	
7211 7145159	1.1661	117.78	-18.370	12.884	1.1708039	0.149655	-0.0047
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7211 7145253		118.58	-19.391	10.222	1.2479765	0.055751	
7211 7145311	1.2702	118.84	-19.723	9.329	1.2614950	0.040761	0.0087
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7211 7145747	0.7295	122.89	-24.191	-4.816	0.7300757	-0.345720	-0.0006
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7211 7181740		104.25	25.294	107.050	0.0378900	0.123340	
7211 7181755	0.0680	104.18	25.101	106.230	0.0663983	0.123749	0.0016
7211 7181825	0.1206	104.04	24.703	104.599	0.1236290	0.124063	-0.0030
7211 7181840		103.98	24.497	103.787	0.1522743	0.123970	
7211 7181855	0.1836	103.92	24.286	102.977	0.1808778	0.124063	0.0027
7211 7181925	0.2377	103.81	23.853	101.367	0.2384899	0.125874	-0.0008
7211 7181940		103.75	23.630	100.565	0.2677490	0.127593	
7211 7181955	0.2965	103.70	23.403	99.767	0.2971540	0.126154	-0.0007
7211 7182025	0.3522	103.61	22.937	98.178	0.3510365	0.102690	0.0012
7211 7182040		103.57	22.698	97.387	0.3723403	0.080652	
7211 7182055	0.3862	103.54	22.455	96.599	0.3881841	0.057427	-0.0020
7211 7182125	0.4093	103.47	21.958	95.032	0.4063670	0.024308	0.0029
7211 7182140		103.44	21.704	94.253	0.4107537	0.014422	
7211 7182155	0.4106	103.42	21.447	93.476	0.4130136	0.004365	-0.0024
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7211 7182240		103.36	20.653	91.162	0.3980712	-0.054742	
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7211 7182425	0.1995	103.32	18.685	85.856	0.1977602	-0.175648	0.0017
7211 7182440		103.33	18.391	85.109	0.1557542	-0.188048	
7211 7182455	0.1103	103.34	18.095	84.364	0.1111535	-0.197721	-0.0009
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7211 7182555	-0.0715	103.40	16.882	81.409	-0.0723025	-0.187180	0.0008
7211 7182625	-0.1542	103.46	16.260	79.946	-0.1529787	-0.160526	-0.0012
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7211 7182655	-0.2181	103.52	15.628	78.493	-0.2189182	-0.123686	0.0008
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7211 7183040		104.36	10.620	67.860	-0.2144468	-0.115636	
7211 7183055	-0.2476	104.44	10.272	67.166	-0.2447244	-0.145224	-0.0029
7211 7183125	-0.3174	104.60	9.572	65.782	-0.3202829	-0.175713	0.0029
7211 7183140		104.69	9.220	65.093	-0.3611508	-0.176597	
7211 7183155	-0.4020	104.78	8.867	64.405	-0.4013410	-0.171325	-0.0007
7211 7183225	-0.4773	104.97	8.156	63.033	-0.4765282	-0.152561	-0.0008
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7211 7183515	-0.6319	106.22	4.061	55.344	-0.6355984	-0.020654	0.0037
7211 7183530		106.35	3.696	54.671	-0.6418735	-0.034617	

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7211	7183715	-0.6770	107.30	1.127	49.974	-0.6762218	0.044781	-0.0008
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DUTSEC = 6*0,
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ELON = -0.9167786, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DIFIT = 0.2000000
CONFAC = 1.083000
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EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
		HZ	Km	Deg.	Deg.	HZ	mm/s**2	HZ
7211	7221630	0.7122	104.33	25.482	106.864	0.7122035	0.008988	0.0000
7211	7221710	0.7221	104.14	24.985	104.673	0.7220059	0.025414	0.0001
7211	7221730		104.05	24.724	103.583	0.7318875	0.039381	
7211	7221750	0.7457	103.97	24.455	102.499	0.7461234	0.052148	-0.0004
7211	7221830	0.7825	103.82	23.895	100.345	0.7816359	0.059108	0.0009
7211	7221850		103.75	23.603	99.274	0.7991006	0.053288	
7211	7221910	0.8129	103.69	23.305	98.208	0.8139144	0.042359	-0.0010
7211	7221950	0.8310	103.58	22.686	96.091	0.8303602	0.008375	0.0006
7211	7222010		103.53	22.366	95.040	0.8294942	-0.014675	
7211	7222030	0.8215	103.49	22.040	93.993	0.8212008	0.038975	0.0003
7211	7222110	0.7819	103.42	21.367	91.914	0.7833400	-0.083030	-0.0014
7211	7222130		103.40	21.021	90.881	0.7546789	-0.102797	
7211	7222150	0.7220	103.37	20.670	89.854	0.7199727	-0.123404	0.0020
7211	7222230	0.6277	103.35	19.948	87.814	0.6289796	-0.174425	-0.0013
7211	7222250		103.34	19.578	86.800	0.5706679	-0.204844	
7211	7222310	0.5019	103.34	19.203	85.792	0.5033657	-0.230698	-0.0015
7211	7222350	0.3582	103.36	18.436	83.788	0.3542720	-0.245418	0.0039
7211	7222410		103.38	18.045	82.794	0.2801267	-0.234262	
7211	7222430	0.2094	103.40	17.649	81.803	0.2106341	-0.217647	-0.0012
7211	7222510	0.0823	103.45	16.842	79.835	0.0858746	-0.188666	-0.0036
7211	7222530		103.49	16.431	78.857	0.0296984	-0.176292	
7211	7222550	-0.0218	103.53	16.017	77.884	-0.0218554	-0.156042	0.0001
7211	7222630	-0.0851	103.63	15.174	75.950	-0.0930684	-0.063860	0.0080
7211	7222650		103.69	14.747	74.988	-0.1020947	0.008110	
7211	7222710	-0.0927	103.75	14.316	74.031	-0.0890161	0.071084	-0.0037
7211	7222750	-0.0397	103.89	13.442	72.127	-0.0316651	0.091821	-0.0080
7211	7222815		103.99	12.888	70.944	-0.0057975	0.033434	
7211	7222840	0.0008	104.10	12.330	69.767	-0.0086111	-0.045955	0.0094
7211	7222930	-0.0947	104.33	11.199	67.428	-0.0936994	-0.166721	-0.0010
7211	7222950		104.44	10.741	66.498	-0.1504956	-0.200804	
7211	7223010	-0.2203	104.55	10.281	65.570	-0.2157877	-0.220195	-0.0045
7211	7223050	-0.3462	104.78	9.352	63.724	-0.3480722	-0.195409	0.0019
7211	7223110		104.90	8.885	62.805	-0.4019649	-0.151210	
7211	7223130	-0.4378	105.03	8.415	61.888	-0.4404670	-0.100342	0.0027
7211	7223210	-0.4809	105.29	7.470	60.061	-0.4765376	-0.022079	-0.0044
7211	7223230		105.44	6.994	59.150	-0.4789160	0.005329	
7211	7223250	-0.4715	105.58	6.517	58.242	-0.4742244	0.023373	0.0027
7211	7223330	-0.4556	105.89	5.558	56.432	-0.4564978	0.027007	0.0009
7211	7223350		106.05	5.077	55.529	-0.4501257	0.012573	
7211	7223410	-0.4524	106.21	4.594	54.627	-0.4488413	-0.002704	-0.0036
7211	7223450	-0.4498	106.55	3.626	52.828	-0.4533701	-0.005927	0.0036
7211	7223510		106.73	3.141	51.931	-0.4535710	0.006142	
7211	7223530	-0.4496	106.91	2.655	51.034	-0.4489237	0.024713	-0.0007
7211	7223610	-0.4224	107.28	1.682	49.243	-0.4194811	0.073550	-0.0029
7211	7223630		107.48	1.194	48.349	-0.3922585	0.103842	
7211	7223650	-0.3531	107.67	0.707	47.455	-0.3558693	0.131119	0.0028
7211	7223730	-0.2634	108.08	-0.268	45.668	-0.2654338	0.156156	0.0020
7211	7223750		108.29	-0.755	44.775	-0.2174426	0.153895	
7211	7223810	-0.1802	108.50	-1.242	43.882	-0.1715876	0.143025	-0.0086
7211	7223850	-0.0850	108.93	-2.215	42.095	-0.0955309	0.099133	0.0105
7211	7223910		109.16	-2.700	41.201	-0.0699078	0.066115	
7211	7223930	-0.0545	109.38	-3.184	40.307	-0.0556152	0.025461	0.0011
7211	7224010	-0.0846	109.85	-4.151	38.516	-0.0706624	-0.079635	-0.0139
7211	7224030		110.08	-4.633	37.619	-0.1049243	-0.144132	
7211	7224050	-0.1607	110.32	-5.113	36.722	-0.1575799	-0.191101	-0.0031
7211	7224130	-0.2547	110.81	-6.069	34.924	-0.2733805	-0.156598	0.0187

7211 7224150		111.06	-6.545	34.022	-0.3101448	-0.075032	
7211 7224210	-0.3036	111.31	-7.019	33.120	-0.3181925	0.020126	0.0146
7211 7224250	-0.2860	111.82	-7.962	31.309	-0.2583065	0.164086	-0.0277
7211 7224440		113.27	-10.508	26.291	0.1500922	0.240269	
7211 7224630	0.5135	114.78	-12.971	21.198	0.4857321	0.193415	0.0278
7211 7224710	0.6003	115.35	-13.841	19.325	0.6150275	0.231600	-0.0147
7211 7224730		115.63	-14.272	18.383	0.6908292	0.261768	
7211 7224750	0.7569	115.92	-14.698	17.439	0.7758195	0.288468	-0.0189
7211 7224830	0.9642	116.49	-15.538	15.539	0.9596084	0.299212	0.0046
7211 7224850		116.78	-15.952	14.584	1.0496510	0.283225	
7211 7224910	1.1431	117.07	-16.361	13.625	1.1328592	0.256617	0.0102
7211 7224950	1.2725	117.66	-17.167	11.697	1.2693821	0.182186	0.0031
7211 7225010		117.95	-17.563	10.727	1.3182867	0.134381	
7211 7225030	1.3435	118.24	-17.954	9.753	1.3521644	0.087184	-0.0087
7211 7225110	1.3816	118.83	-18.721	7.793	1.38226919	0.017501	-0.0011
7211 7225130		119.13	-19.097	6.807	1.3844063	-0.004994	
7211 7225150	1.3842	119.42	-19.467	5.817	1.3800241	-0.023584	0.0042
7211 7225240	1.3453	120.16	-20.369	3.323	1.3433431	-0.072292	0.0020
7211 72253 5		120.53	-20.806	2.066	1.3106240	-0.097844	
7211 7225330	1.2621	120.90	-21.234	0.803	1.2673469	-0.128940	-0.0052
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7211 7225530	0.8220	122.66	-23.151	-5.355	0.8219314	-0.334835	0.0001
7211 7225550		122.96	-23.447	-6.398	0.7178789	-0.338826	
7211 7225610	0.6126	123.25	-23.736	-7.443	0.6139763	-0.336920	-0.0014
7211 7225650	0.4088	123.83	-24.293	-9.548	0.4069729	-0.336252	0.0018
7211 7225710		124.12	-24.561	-10.606	0.3033020	-0.337494	
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7211 7225810	-0.0090	124.97	-25.318	-13.806	-0.0077747	-0.333176	-0.0012
7211 7225830		125.25	-25.555	-14.882	-0.1095835	-0.327456	
7211 7225850	-0.2083	125.53	-25.784	-15.960	-0.2090280	-0.318355	0.0007
7211 7225930	-0.3939	126.09	-26.218	-18.128	-0.3960459	-0.286205	0.0021
7211 7225950		126.37	-26.423	-19.218	-0.4807483	-0.263146	
7211 723 010	-0.5625	126.64	-26.619	-20.310	-0.5578999	-0.238842	-0.0046
7211 723 050	-0.6868	127.18	-26.987	-22.507	-0.6914834	-0.196523	0.0047
7211 723 110		127.45	-27.158	-23.609	-0.7491542	-0.178527	
7211 723 130	-0.8029	127.72	-27.320	-24.715	-0.8013524	-0.160313	-0.0015
7211 723 210	-0.8895	128.24	-27.619	-26.934	-0.8869810	-0.116205	-0.0025
7211 723 230		128.50	-27.755	-28.049	-0.9188522	-0.090290	
7211 723 250	-0.9398	128.75	-27.882	-29.165	-0.9421939	-0.060650	0.0024
7211 723 330	-0.9565	129.26	-28.109	-31.403	-0.9577035	0.013570	0.0012
7211 723 350		129.51	-28.209	-32.525	-0.9467871	0.058160	
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7211 723 450	-0.8502	130.23	-28.454	-35.902	-0.8491897	0.130238	-0.0010
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7211 723 750		132.24	-28.686	-46.072	-0.7349666	0.041110	
7211 723 810	-0.7113	132.44	-28.665	-47.201	-0.7131882	0.098399	0.0019
7211 723 850	-0.6268	132.84	-28.596	-49.458	-0.6263447	0.175334	-0.0005
7211 723 910		133.04	-28.547	-50.585	-0.5690335	0.194932	
7211 723 930	-0.5089	133.23	-28.489	-51.710	-0.5075003	0.203394	-0.0014
7211 7231010	-0.3816	133.59	-28.345	-53.956	-0.3840493	0.191265	0.0024
7211 7231030		133.77	-28.260	-55.077	-0.3280567	0.170647	
7211 7231050	-0.2807	133.95	-28.165	-56.194	-0.2788764	0.151075	-0.0018
7211 7231130	-0.1894	134.28	-27.950	-58.423	-0.1895152	0.147099	0.0001
7211 7231150		134.45	-27.828	-59.534	-0.1421137	0.162722	
7211 7231210	-0.0883	134.60	-27.698	-60.642	-0.0889881	0.181950	0.0007
7211 7231250	0.0319	134.90	-27.412	-62.849	0.0316486	0.206954	0.0003
7211 7231310		135.05	-27.256	-63.948	0.0963560	0.212714	
7211 7231330	0.1597	135.19	-27.092	-65.043	0.1622192	0.214942	-0.0025
7211 7231410	0.2988	135.45	-26.738	-67.224	0.2940530	0.211701	0.0047

7211 7231430		135.58	-26.548	-68.309	0.3584898	0.206224	
7211 7231450	0.4160	135.70	-26.351	-69.390	0.4207605	0.198252	-0.0048
7211 7231530	0.5386	135.93	-25.932	-71.540	0.5361283	0.174973	0.0025
7211 7231550		136.04	-25.710	-72.610	0.5877143	0.159661	
7211 7231610	0.6337	136.14	-25.481	-73.674	0.6335759	0.136223	0.0001
7211 7231650	0.6912	136.33	-25.001	-75.792	0.6930451	0.047726	-0.0018
7211 7231710		136.42	-24.750	-76.844	0.6980806	-0.017320	
7211 7231730	0.6842	136.51	-24.491	-77.891	0.6817689	-0.088412	0.0024
7211 7231810	0.5828	136.66	-23.952	-79.974	0.5848163	-0.225458	-0.0020
7211 7231830		136.73	-23.673	-81.008	0.5051538	-0.291459	
7211 7231850	0.4088	136.79	-23.386	-82.038	0.4076880	-0.335139	0.0011
7211 7231930	0.2045	136.90	-22.794	-84.083	0.2052056	-0.294251	-0.0007
7211 7231950		136.95	-22.487	-85.100	0.1265314	-0.209588	
7211 7232010	0.0797	137.00	-22.175	-86.111	0.0775732	-0.111289	0.0021
7211 7232050	0.0546	137.07	-21.532	-88.121	0.0586094	0.039460	-0.0040
7211 7232110		137.10	-21.202	-89.119	0.0792100	0.091831	
7211 7232130	0.1150	137.12	-20.865	-90.112	0.1125146	0.118694	0.0025
7211 7232210	0.1780	137.15	-20.176	-92.086	0.1765071	0.065457	0.0015
7211 7232230		137.16	-19.823	-93.066	0.1852356	-0.014742	
7211 7232250	0.1644	137.17	-19.465	-94.042	0.1666845	-0.102486	-0.0023
7211 7232330	0.0639	137.16	-18.733	-95.980	0.0641862	-0.216971	-0.0003
7211 7232350		137.15	-18.360	-96.943	-0.0072611	-0.243668	
7211 7232410	-0.0816	137.13	-17.982	-97.901	-0.0825534	-0.238744	0.0010
7211 7232450	-0.1953	137.08	-17.212	-99.807	-0.1957168	-0.100295	0.0004
7211 7232510		137.05	-16.820	-100.753	-0.2071368	0.033243	
7211 7232530	-0.1725	137.01	-16.424	-101.696	-0.1736725	0.182312	0.0012
7211 7232610	0.0166	136.92	-15.620	-103.570	0.0219174	0.445396	-0.0053
7211 7232630		136.87	-15.211	-104.502	0.1769947	0.559482	
7211 7232650	0.3693	136.81	-14.800	-105.430	0.3630542	0.641632	0.0062
7211 7232730	0.7681	136.69	-13.965	-107.276	0.7713441	0.650391	-0.0032
7211 7232810	1.1218	136.54	-13.116	-109.109	1.1211493	0.451604	0.0007

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DIFIT = 0.2000000,
CONFAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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7211 8141114	0.8240	103.48	27.150	108.330	0.8240216	-0.143983	0.0000
7211 8141144	0.8036	103.31	26.893	106.632	0.8030182	0.012905	0.0006
7211 8141159		103.23	26.757	105.786	0.8057964	0.001143	
7211 8141214	0.7997	103.15	26.615	104.942	0.8018902	-0.032135	-0.0022
7211 8141249	0.7813	102.99	26.267	102.982	0.7774054	-0.043263	0.0039
7211 81413 7		102.91	26.083	102.005	0.7691848	-0.013901	
7211 8141324	0.7669	102.84	25.892	101.032	0.7703964	-0.020795	-0.0035
7211 8141354	0.7875	102.73	25.550	99.371	0.7883776	0.050920	-0.0009
7211 81414 9		102.67	25.372	98.544	0.8004472	0.052079	

7211	8141424	0.8204	102.62	25.189	97.719	0.8118420	0.045702	0.0086	7211	8143914	-0.3592	112.22	-6.184	26.331	-0.3592441	0.383093	0.0000
7211	8141454	0.8137	102.53	24.811	96.077	0.8268691	0.015524	-0.0132	7211	8143944	-0.1692	112.65	-6.893	24.979	-0.1749409	0.402446	0.0057
7211	81415 9		102.49	24.615	95.260	0.8278171	-0.008281		7211	8143959		112.86	-7.245	24.302	-0.0838924	0.383182	
7211	8141524	0.8281	102.46	24.414	94.446	0.8228930	-0.034098	0.0052	7211	8144014	-0.0078	113.08	-7.597	23.623	0.0010346	0.351802	-0.0088
7211	8141554	0.8054	102.39	24.001	92.824	0.7961777	-0.080458	0.0092	7211	8144044	0.1532	113.52	-8.297	22.264	0.1463065	0.274223	0.0069
7211	81416 9		102.36	23.787	92.018	0.7751948	-0.100999		7211	8144059		113.73	-8.645	21.582	0.2043711	0.228025	
7211	8141624	0.7394	102.34	23.570	91.214	0.7495291	-0.121808	-0.0101	7211	8144114	0.2493	113.96	-8.992	20.900	0.2518953	0.185908	-0.0026
7211	8141659	0.6683	102.29	23.047	89.348	0.6689823	-0.179387	-0.0007	7211	8144144	0.3237	114.40	-9.682	19.531	0.3253365	0.140972	-0.0016
7211	8141717		102.28	22.777	88.420	0.6162115	-0.212921		7211	8144159		114.62	-10.025	18.845	0.3573013	0.138155	
7211	8141734	0.5605	102.26	22.502	87.497	0.5543717	-0.245713	0.0061	7211	8144214	0.3939	114.85	-10.366	18.158	0.3899780	0.146491	0.0039
7211	81418 4	0.4268	102.25	22.019	85.922	0.4298999	-0.291246	-0.0031	7211	8144244	0.4624	115.30	-11.044	16.779	0.4664192	0.190791	-0.0040
7211	8141819		102.25	21.771	85.138	0.3605783	-0.308940		7211	8144259		115.53	-11.380	16.088	0.5144354	0.226755	
7211	8141834	0.2879	102.26	21.520	84.357	0.2877322	-0.320590	0.0002	7211	8144314	0.5742	115.76	-11.715	15.395	0.5709481	0.260646	0.0033
7211	81419 4	0.1379	102.27	21.007	82.804	0.1390417	-0.317724	-0.0011	7211	8144344	0.6979	116.22	-12.379	14.005	0.6997368	0.288363	-0.0018
7211	8141922		102.28	20.702	81.902	0.0555964	-0.299943		7211	8144359		116.45	-12.709	13.307	0.7658468	0.282189	
7211	8141939	-0.0201	102.30	20.392	81.005	-0.0223192	-0.279845	0.0022	7211	8144414	0.8284	116.68	-13.036	12.608	0.8294666	0.268849	-0.0011
7211	8142014	-0.1681	102.35	19.758	79.221	-0.1667687	-0.261358	-0.0013	7211	8144444	0.9505	117.14	-13.685	11.205	0.9469041	0.239239	0.0036
7211	8142029		102.38	19.481	78.460	-0.2271064	-0.262294		7211	8144459		117.37	-14.007	10.501	1.0002707	0.222968	
7211	8142044	-0.2898	102.41	19.200	77.703	-0.2872138	-0.254772	-0.0026	7211	8144514	1.0482	117.61	-14.326	9.795	1.0496167	0.203745	-0.0014
7211	8142114	-0.3826	102.48	18.631	76.195	-0.3893902	-0.173036	0.0068	7211	8144544	1.1287	118.08	-14.959	8.377	1.1321530	0.150518	-0.0035
7211	8142129		102.52	18.342	75.446	-0.4211958	-0.098823		7211	8144559		118.31	-15.271	7.666	1.1630685	0.116514	
7211	8142144	-0.4396	102.56	18.049	74.698	-0.4350027	-0.024454	-0.0046	7211	8144614	1.1889	118.55	-15.582	6.952	1.1859803	0.082968	0.0029
7211	8142214	-0.4275	102.65	17.457	73.211	-0.4237641	0.058526	-0.0037	7211	8144644	1.2142	119.02	-16.196	5.519	1.2119464	0.033413	0.0023
7211	8142229		102.70	17.156	72.471	-0.4088385	0.067137		7211	8144659		119.25	-16.499	4.800	1.2176993	0.017403	
7211	8142244	-0.3839	102.76	16.853	71.734	-0.3949206	0.047779	0.0110	7211	8144714	1.2175	119.49	-16.799	4.078	1.2200754	0.002618	-0.0026
7211	8142314	-0.4095	102.88	16.239	70.266	-0.4001215	-0.092987	-0.0094	7211	8144744	1.2102	119.96	-17.393	2.629	1.2126281	-0.037143	-0.0024
7211	8142329		102.94	15.929	69.536	-0.4349453	-0.214396		7211	8144759		120.19	-17.686	1.901	1.2012367	-0.062119	
7211	8142344	-0.5068	103.01	15.615	68.808	-0.4986658	-0.330113	-0.0081	7211	8144814	1.1878	120.43	-17.976	1.171	1.1836590	-0.090866	0.0041
7211	8142414	-0.6620	103.15	14.982	67.359	-0.6800436	-0.425350	0.0180	7211	8144844	1.1252	120.90	-18.547	-0.296	1.1262022	-0.160801	-0.0010
7211	8142429		103.22	14.662	66.638	-0.7767408	-0.404869		7211	8144859		121.13	-18.829	-1.033	1.0844086	-0.201990	
7211	8142444	-0.8610	103.30	14.340	65.919	-0.8650778	-0.359878	0.0041	7211	8144914	1.0317	121.37	-19.107	-1.772	1.0329905	-0.242620	-0.0013
7211	8142514	-1.0228	103.47	13.690	64.487	-1.0085043	-0.259030	-0.0143	7211	8144944		121.84	-19.655	-3.257	0.9050536	-0.308093	0.0014
7211	8142644		104.04	11.692	60.239	-1.1126041	0.130443		7211	8144959		122.07	-19.925	-4.003	0.8309647	-0.332936	
7211	8142814	-0.7224	104.71	9.634	56.056	-0.7391178	0.320751	0.0167	7211	8145014	0.7490	122.31	-20.191	-4.751	0.7517219	-0.352862	-0.0027
7211	8142844	-0.6136	104.95	8.937	54.674	-0.6012518	0.266693	-0.0123	7211	8145044	0.5864	122.78	-20.713	-6.255	0.5820747	-0.379003	0.0043
7211	8142859		105.08	8.586	53.985	-0.5450681	0.217634		7211	8145059		123.00	-20.970	-7.010	0.4937802	-0.385218	
7211	8142914	-0.5066	105.21	8.235	53.298	-0.5008646	0.167400	-0.0057	7211	8145114	0.4032	123.24	-21.223	-7.768	0.4046591	-0.385816	-0.0015
7211	8142944	-0.4421	105.47	7.528	51.927	-0.4401264	0.103942	-0.0020	7211	8145144	0.2247	123.70	-21.718	-9.290	0.2298496	-0.367015	-0.0051
7211	8142959		105.61	7.174	51.243	-0.4178959	0.090719		7211	8145159		123.93	-21.961	-10.055	0.1472385	-0.347617	
7211	8143014	-0.3867	105.75	6.818	50.561	-0.3976958	0.084610	0.0110	7211	8145214	0.0786	124.16	-22.200	-10.823	0.0693671	-0.328148	0.0092
7211	8143044	-0.3642	106.04	6.104	49.199	-0.3604327	0.078077	-0.0038	7211	8145244	-0.0848	124.62	-22.666	-12.364	-0.0766581	-0.308783	-0.0081
7211	8143059		106.18	5.746	48.520	-0.3424949	0.077652		7211	8145259		124.84	-22.894	-13.139	-0.1478240	-0.308886	
7211	8143114	-0.3268	106.33	5.387	47.842	-0.3244225	0.079304	-0.0024	7211	8145314	-0.2160	125.08	-23.118	-13.916	-0.2191979	-0.308120	0.0032
7211	8143144	-0.2846	106.64	4.667	46.488	-0.2858283	0.089394	0.0012	7211	8145344	-0.3549	125.53	-23.555	-15.477	-0.3566465	-0.281799	0.0017
7211	8143159		106.79	4.306	45.812	-0.2642623	0.097831		7211	8145359		125.75	-23.767	-16.261	-0.4189064	-0.256244	
7211	8143214	-0.2400	106.95	3.944	45.137	-0.2409291	0.102793	0.0009	7211	8145414	-0.4757	125.97	-23.975	-17.047	-0.4748565	-0.229483	-0.0008
7211	8143244	-0.1973	107.28	3.220	43.789	-0.1961413	0.085087	-0.0012	7211	8145444	-0.5750	126.42	-24.380	-18.627	-0.5716017	-0.193518	-0.0034
7211	8143259		107.44	2.858	43.116	-0.1789390	0.062419		7211	8145459		126.63	-24.576	-19.420	-0.6150985	-0.184313	
7211	8143314	-0.1674	107.61	2.495	42.444	-0.1678033	0.033520	0.0004	7211	8145514	-0.6563	126.86	-24.768	-20.216	-0.6568553	-0.177184	0.0006
7211	8143344	-0.1667	107.95	1.768	41.100	-0.1674213	-0.034032	0.0007	7211	8145544	-0.7268	127.29	-25.139	-21.813	-0.7344493	-0.157819	0.0076
7211	8143359		108.13	1.404	40.429	-0.1796761	-0.072685		7211	8145559		127.50	-25.318	-22.616	-0.7695009	-0.145584	
7211	8143414	-0.2028	108.31	1.040	39.758	-0.2007274	-0.108074	-0.0021	7211	8145614	-0.8096	127.72	-25.492	-23.420	-0.8016020	-0.132560	-0.0080
7211	8143444	-0.2587	108.66	0.313	38.417	-0.2616934	-0.149511	0.0030	7211	8145649	-0.8632	128.21	-25.883	-25.305	-0.8649169	-0.102658	0.0017
7211	8143459		108.84	-0.051	37.747	-0.2970930	-0.155561		7211	81457 7		128.45	-26.069	-26.252	-0.8905829	-0.087960	
7211	8143514	-0.3356	109.03	-0.415	37.077	-0.3332606	-0.158332	-0.0023	7211	8145724	-0.9127	128.70	-26.248	-27.201	-0.9118854	-0.068667	-0.0008
7211	8143544	-0.4093	109.41	-1.142	35.737	-0.4093750	-0.173544	0.0001	7211	8145754	-0.9254	129.11	-26.542	-28.835	-0.9319853	-0.013822	0.0066
7211	8143559		109.59	-1.505	35.067	-0.4508100	-0.185986		7211	81458 9		129.31	-26.682	-29.655	-0.9309514	0.023924	
7211	8143614	-0.4922	109.79	-1.868	34.397	-0.4948775	-0.193704	0.0027	7211	8145824	-0.9322	129.51	-26.817	-30.476	-0.9207790	0.063800	-0.0114
7211	8143644	-0.5852	110.18	-2.593	33.057	-0.5810454	-0.171129	-0.0042	7211	8145854	-0.8627	129.91	-27.073	-32.124	-0.8743010	0.135822	0.0116
7211	8143659		110.37	-2.955	32.386	-0.6172962	-0.140836		7211	81459 9		130.10	-27.193	-32.950	-0.8391795	0.167966	
7211	8143714	-0.6430	110.57	-3.316	31.715	-0.6451730	-0.098927	0.0022	7211	8145924	-0.8061	130.30	-27.309	-33.778	-0.7971218	0.195362	-0.0090
7211	8143744	-0.6643	110.98	-4.037	30.372	-0.6658071	0.016582	0.0015	7211	8145954	-0.6937	130.69	-27.526	-35.439			

7211 815 124	-0.4271	131.80	-28.057	-40.452	-0.4356591	0.071172	0.0086
7211 815 154	-0.4242	132.15	-28.194	-42.131	-0.4223652	-0.006981	-0.0018
7211 815 2 9		132.32	-28.255	-42.973	-0.4269646	-0.031207	
7211 815 224	-0.4352	132.50	-28.310	-43.814	-0.4357628	-0.042325	0.0006
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7211 815 354	-0.3826	133.49	-28.535	-48.877	-0.3946146	0.132210	0.0120
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7211 815 5 9		134.24	-28.579	-53.103	-0.2031606	0.157347	
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7211 815 554	-0.1135	134.67	-28.544	-55.636	-0.1101768	0.119625	-0.0033
7211 815 6 9		134.80	-28.521	-56.480	-0.0828203	0.118269	
7211 815 624	-0.0537	134.95	-28.494	-57.323	-0.0552625	0.120964	-0.0034
7211 815 654	0.0034	135.21	-28.423	-59.007	0.0031694	0.133823	0.0002
7211 815 7 9		135.33	-28.380	-59.849	0.0351947	0.143991	
7211 815 724	0.0714	135.46	-28.332	-60.689	0.0697089	0.154969	0.0017
7211 815 754	0.1474	135.71	-28.220	-62.366	0.1458614	0.174350	0.0015
7211 815 8 9		135.81	-28.157	-63.204	0.1871046	0.182751	
7211 815 824	0.2244	135.94	-28.089	-64.040	0.2301075	0.189516	-0.0057
7211 815 854	0.3264	136.16	-27.937	-65.709	0.3194315	0.195832	0.0070
7211 815 9 9		136.26	-27.853	-66.542	0.3646427	0.195381	
7211 815 924	0.4071	136.37	-27.765	-67.372	0.4095527	0.193858	-0.0025
7211 815 954	0.4938	136.57	-27.573	-69.030	0.4984908	0.191596	-0.0047
7211 81510 9		136.66	-27.470	-69.857	0.5426393	0.190857	
7211 8151024	0.5920	136.76	-27.362	-70.681	0.5862626	0.185656	0.0057
7211 8151054	0.6635	136.93	-27.132	-72.325	0.6646248	0.147682	-0.0011
7211 81511 9		137.01	-27.010	-73.145	0.6951163	0.114900	
7211 8151124	0.7165	137.10	-26.883	-73.962	0.7173336	0.077688	-0.0008
7211 8151314		137.60	-25.813	-79.896	0.6233121	-0.186078	
7211 81515 4	0.2383	137.96	-24.508	-85.709	0.2361364	-0.186154	0.0022
7211 8151534	0.1641	138.03	-24.114	-87.272	0.1692063	-0.097449	-0.0051
7211 8151549		138.05	-23.911	-88.050	0.1532954	-0.038853	
7211 81516 4	0.1566	138.09	-23.705	-88.825	0.1509242	0.015209	0.0057
7211 8151634	0.1691	138.13	-23.280	-90.368	0.1728677	0.067435	-0.0038
7211 8151649		138.14	-23.061	-91.137	0.1885787	0.065616	
7211 81517 4	0.2016	138.17	-22.840	-91.902	0.2019622	0.048223	-0.0004
7211 8151734	0.2135	138.19	-22.385	-93.425	0.2094544	-0.024112	0.0040
7211 8151749		138.18	-22.153	-94.184	0.1977917	-0.079043	
7211 81518 4	0.1714	138.19	-21.917	-94.938	0.1730175	-0.133194	-0.0016
7211 8151834	0.0888	138.19	-21.435	-96.441	0.0941382	-0.199095	-0.0053
7211 8151849		138.17	-21.188	-97.190	0.0465612	-0.210859	
7211 81519 4	0.0062	138.17	-20.939	-97.935	-0.0019448	-0.206157	0.0081
7211 8151934	-0.0896	138.14	-20.431	-99.418	-0.0848190	-0.140313	-0.0048
7211 8151949		138.12	-20.172	-100.156	-0.1105095	-0.079190	
7211 81520 4	-0.1199	138.10	-19.910	-100.891	-0.1200369	-0.000688	0.0001
7211 8152034	-0.0734	138.05	-19.378	-102.355	-0.0755669	0.203917	0.0022
7211 8152049		138.01	-19.107	-103.084	-0.0142620	0.330004	
7211 81521 4	0.0764	137.99	-18.834	-103.809	0.0766435	0.454066	-0.0002
7211 8152134	0.3287	137.91	-18.278	-105.254	0.3327436	0.641998	-0.0040
7211 8152149		137.86	-17.996	-105.974	0.4886640	0.705888	
7211 81522 4	0.6620	137.82	-17.712	-106.690	0.6566471	0.743850	0.0054
7211 8152234	0.9975	137.72	-17.135	-108.117	1.0004282	0.724170	-0.0029
7211 8152249		137.66	-16.843	-108.828	1.1615194	0.666558	
7211 81523 4	1.3070	137.61	-16.549	-109.535	1.3063530	0.585465	0.0006
7211 8152334	1.5311	137.49	-15.953	-110.945	1.5311184	0.378191	0.0000
7211 81524 4	1.6463	137.35	-15.348	-112.346	1.6463012	0.110754	0.0000

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7211 8181015	0.4598	102.74	27.426	107.656	0.4597955	0.075585	0.0000
7211 8181045	0.4861	102.58	27.186	105.949	0.4862216	0.047055	-0.0001
7211 81811 0		102.50	27.059	105.099	0.4973214	0.051155	
7211 8181115	0.5108	102.43	26.926	104.250	0.5102639	0.060779	0.0005
7211 8181145	0.5413	102.29	26.646	102.559	0.5421239	0.076441	-0.0008
7211 81812 0		102.22	26.499	101.716	0.5604893	0.082478	
7211 8181215	0.5802	102.16	26.346	100.876	0.5801804	0.088230	0.0000
7211 8181245	0.6251	102.05	26.027	99.202	0.6239064	0.101608	0.0012
7211 81813 0		102.00	25.860	98.368	0.6482298	0.109234	
7211 8181315	0.6733	101.95	25.688	97.536	0.6738938	0.111091	-0.0006
7211 8181345	0.7185	101.86	25.330	95.881	0.7194876	0.078312	-0.0010
7211 81814 0		101.82	25.145	95.057	0.7338015	0.043676	
7211 8181415	0.7392	101.78	24.955	94.235	0.7394138	0.005943	-0.0002
7211 8181445	0.7316	101.72	24.561	92.599	0.7279519	-0.051617	0.0036
7211 81815 0		101.70	24.358	91.785	0.7136335	-0.071443	
7211 8181515	0.6905	101.67	24.150	90.974	0.6950031	-0.090814	-0.0045
7211 8181545	0.6435	101.64	23.722	89.359	0.6414085	-0.144729	0.0021
7211 81816 0		101.62	23.501	88.556	0.6041095	-0.179273	
7211 8181615	0.5586	101.61	23.277	87.755	0.5585654	-0.214809	0.0000
7211 8181645	0.4447	101.60	22.816	86.162	0.4446407	-0.276664	0.0001
7211 81817 0		101.60	22.580	85.369	0.3776786	-0.302983	
7211 8181715	0.3030	101.60	22.340	84.579	0.3053925	-0.321072	-0.0024
7211 8181745	0.1604	101.62	21.848	83.008	0.1560197	-0.317086	0.0044
7211 81818 0		101.63	21.597	82.226	0.0851137	-0.295012	
7211 8181815	0.0186	101.65	21.342	81.447	0.0198645	-0.272340	-0.0013
7211 8181845	-0.1057	101.69	20.821	79.897	-0.1019702	-0.263577	-0.0037
7211 81819 0		101.71	20.556	79.127	-0.1641852	-0.277486	
7211 8181915	-0.2290	101.74	20.287	78.358	-0.2295561	-0.284584	0.0006
7211 8181945	-0.3441	101.81	19.740	76.830	-0.3503152	-0.221334	0.0062
7211 81820 5		101.86	19.367	75.817	-0.4043169	-0.121741	
7211 8182025	-0.4306	101.92	18.990	74.809	-0.4252668	-0.022056	-0.0053
7211 81821 5	-0.4121	102.05	18.218	72.807	-0.4101390	0.040831	-0.0020
7211 8182120		102.11	17.924	72.061	-0.4029185	0.017423	
7211 8182135	-0.3984	102.16	17.627	71.317	-0.4038386	-0.028712	0.0054
7211 81822 5	-0.4506	102.29	17.024	69.837	-0.4491223	-0.180724	-0.0015
7211 8182220		102.36	16.718	69.101	-0.5027084	-0.286639	
7211 8182235	-0.5820	102.43	16.410	68.367	-0.5807621	-0.383723	-0.0012
7211 81823 5	-0.7830	102.58	15.787	66.907	-0.7826254	-0.465819	-0.0004
7211 8182320		102.66	15.472	66.180	-0.8891889	-0.450758	
7211 8182335	-0.9872	102.74	15.154	65.456	-0.9886669	-0.408804	0.0015
7211 81824 5	-1.1508	102.92	14.513	64.013	-1.1491725	-0.275548	-0.0016
7211 8182420		103.01	14.188	63.296	-1.2025812	-0.184215	
7211 8182435	-1.2290	103.11	13.862	62.580	-1.2337973	-0.087186	0.0048
7211 81825 5	-1.2370	103.31	13.204	61.154	-1.2318543	0.092355	-0.0051
7211 8182520		103.41	12.871	60.445	-1.2009038	0.174857	
7211 8182535	-1.1550	103.52	12.537	59.737	-1.1518749	0.247784	-0.0031
7211 81826 5	-1.0060	103.74	11.864	58.328	-1.0114006	0.351331	0.0054

7211	8182740		104.52	9.690	53.910	-0.4615622	0.306369		7211	8185120		124.59	-21.893	-11.881	-0.0677106	-0.308979
7211	8182915	-0.2030	105.41	7.462	49.554	-0.1976128	0.093073	-0.0054	7211	8185135	-0.1381	124.82	-22.134	-12.646	-0.1374458	-0.295829
7211	8182945	-0.1561	105.71	6.750	48.190	-0.1600418	0.073509	0.0039	7211	81852	-0.2698	125.29	-22.605	-14.184	-0.2690104	-0.275421
7211	81830		105.87	6.392	47.509	-0.1433194	0.072330		7211	8185220		125.52	-22.835	-14.957	-0.3317439	-0.268166
7211	8183015	-0.1255	106.02	6.034	46.829	-0.1264889	0.073224	0.0010	7211	8185235	-0.3918	125.75	-23.061	-15.732	-0.3926805	-0.259119
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7211	81831		106.51	4.954	44.796	-0.0773311	0.066357		7211	8185320		126.44	-23.716	-18.072	-0.5540700	-0.198540
7211	8183115	-0.0682	106.68	4.593	44.120	-0.0628765	0.057477	-0.0053	7211	8185335	-0.5966	126.67	-23.927	-18.857	-0.5968405	-0.173303
7211	8183145	-0.0451	107.02	3.869	42.771	-0.0449677	0.014499	-0.0001	7211	81854	-0.6703	127.12	-24.336	-20.433	-0.6687447	-0.142583
7211	81832		107.19	3.506	42.097	-0.0453946	-0.019599		7211	8185420		127.34	-24.534	-21.225	-0.7009159	-0.137113
7211	8183215	-0.0513	107.37	3.143	41.424	-0.0542111	-0.056229	0.0029	7211	8185435	-0.7317	127.56	-24.729	-22.019	-0.7322243	-0.133940
7211	8183245	-0.0957	107.73	2.416	40.080	-0.0952813	-0.119457	-0.0004	7211	81855	-0.7898	128.00	-25.104	-23.613	-0.7915111	-0.121548
7211	81833		107.91	2.052	39.408	-0.1259911	-0.146055		7211	8185520		128.22	-25.286	-24.414	-0.8185567	-0.112325
7211	8183315	-0.1642	108.10	1.688	38.737	-0.1624493	-0.169237	-0.0018	7211	8185535	-0.8429	128.44	-25.463	-25.217	-0.8431469	-0.100191
7211	8183345	-0.2480	108.47	0.959	37.396	-0.2494060	-0.205134	0.0014	7211	81856	-0.8868	128.86	-25.804	-26.829	-0.8817353	-0.064421
7211	81834		108.73	0.473	36.503	-0.3152258	-0.221319		7211	8185620		129.08	-25.968	-27.638	-0.8939571	-0.040778
7211	8183425	-0.3854	108.99	-0.013	35.610	-0.3848669	-0.230034	-0.0005	7211	8185635	-0.8954	129.29	-26.127	-28.449	-0.9002445	-0.012964
7211	81835	-0.5254	109.51	-0.985	33.825	-0.5255987	-0.221337	0.0002	7211	81857	-0.8906	129.70	-26.432	-30.077	-0.8909250	0.056377
7211	8183520		109.71	-1.349	33.155	-0.5753964	-0.209082		7211	8185720		129.91	-26.577	-30.894	-0.8731960	0.097913
7211	8183535	-0.6217	109.92	-1.713	32.486	-0.6214300	-0.187728	-0.0003	7211	8185735	-0.8481	130.11	-26.718	-31.713	-0.8457113	-0.139651
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7211	8183620		110.54	-2.802	30.477	-0.7084761	-0.043614		7211	8185820		130.72	-27.112	-34.180	-0.7119540	0.240453
7211	8183635	-0.7072	110.75	-3.164	29.807	-0.7106582	-0.024857	0.0035	7211	8185835	-0.6533	130.91	-27.233	-35.006	-0.6538545	0.260794
7211	81837	-0.6750	111.17	-3.887	28.465	-0.6670480	-0.164691	-0.0080	7211	81859	-0.5302	131.30	-27.462	-36.663	-0.5317281	0.258759
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7211	8183735	-0.5499	111.60	-4.607	27.122	-0.5587153	-0.299111	0.0088	7211	8185935	-0.4264	131.68	-27.671	-38.325	-0.4234572	0.202857
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7211	8183820		112.26	-5.682	25.104	-0.3131721	-0.383731		7211	819	0.020	132.24	-27.948	-40.828	-0.3302287	0.054355
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7211	81839	-0.0608	112.92	-6.750	23.079	-0.0582384	-0.334039	-0.0026	7211	819	1	132.77	-28.179	-43.342	-0.3389484	-0.054287
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7211	81840	0.1753	113.83	-8.158	20.368	-0.1742314	-0.178706	0.0011	7211	819	2	133.46	-28.415	-46.706	-0.3748477	0.066277
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7211	8184220		115.93	-11.252	14.204	-0.5451686	-0.264016		7211	819	420	134.87	-28.645	-54.303	-0.1384110	0.114650
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7211	8184820		121.72	-18.738	-2.879	-0.9058075	-0.283906		7211	8191215	0.5618	138.11	-26.168	-80.604	-0.5578254	-0.235733
7211	8184835	0.8388	121.96	-19.018	-3.616	-0.8363594	-0.312223	0.0018	7211	8191245	0.4338	138.21	-25.851	-82.210	-0.4341295	-0.293130
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7211	8184920		122.69	-19.841	-5.842	-0.5974663	-0.373350		7211	8191315	0.2929	138.31	-25.516	-83.807	-0.2939960	-0.303621
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7211	81850	0.3328	123.40	-20.635	-8.089	-0.3319486	-0.382108	0.0009	7211	81914	0	138.43	-24.982	-86.185	-0.1181610	-0.173531
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7211	8191750	0.0223	138.60	-21.699	-97.995	0.0232437	-0.131107	-0.0009
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7211	8191825	-0.0278	138.56	-21.125	-99.740	-0.0270911	-0.039860	-0.0007
7211	81919	0	-0.0025	138.50	-101.472	-0.0030679	0.144400	0.0006
7211	8191918		138.47	-20.232	-102.333	0.0523789	0.271086	
7211	8191935	0.1430	138.43	-19.926	-103.191	0.1431193	0.399694	-0.0001
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7211	822	945	0.6284	101.72	27.075	105.157	0.6290206	0.105115	-0.0006
7211	82210	0		101.65	26.955	104.305	0.6540846	0.119689	
7211	8221015	0.6866	101.58	26.829	103.455	0.6838624	0.139654	0.0027	
7211	8221045	0.7502	101.44	26.562	101.761	0.7544304	0.160635	-0.0042	
7211	82211	0		101.38	26.422	100.917	0.7914733	0.158952	
7211	8221115	0.8278	101.32	26.276	100.075	0.8275889	0.154326	0.0002	
7211	8221145	0.9038	101.21	25.970	98.395	0.8979048	0.151770	0.0059	
7211	82212	0		101.16	25.810	97.561	0.9331356	0.153840	
7211	8221215	0.9655	101.12	25.645	96.727	0.9683803	0.148766	-0.0029	
7211	8221245	1.0203	101.03	25.301	95.067	1.0258212	0.089054	-0.0055	
7211	82213	0		101.00	25.122	94.240	1.0403900	0.034417	
7211	8221315	1.0462	100.97	24.939	93.416	1.0413669	-0.024688	0.0048	
7211	8221455		100.83	23.603	87.986	0.8061150	-0.224824		
7211	8221635	0.4288	100.85	22.084	82.671	0.4299005	-0.268805	-0.0011	
7211	8221710	0.2786	100.89	21.512	80.840	0.2801409	-0.288628	-0.0015	
7211	8221727		100.92	21.218	79.929	0.2808362	-0.300020		
7211	8221745	0.1213	100.95	20.920	79.023	0.1193705	-0.302079	0.0019	
7211	8221815	-0.0872	101.02	20.398	77.477	-0.0126955	-0.260541	0.0055	
7211	8221830		101.05	20.132	76.708	-0.0682509	-0.218418		
7211	821845	-0.1209	101.10	19.862	75.942	-0.1128535	-0.167438	-0.0080	
7211	821915	-0.1629	101.19	19.314	74.417	-0.1647457	-0.055039	0.0018	
7211	8221930		101.24	19.035	73.659	-0.1704288	0.006381		
7211	8221945	-0.1630	101.29	18.753	72.903	-0.1635400	0.045187	0.0005	
7211	8222015	-0.1478	101.41	18.180	71.399	-0.1509963	-0.023319	0.0032	
7211	8222030		101.47	17.889	70.651	-0.1678282	-0.130631		

7211	8222045	-0.2167	101.54	17.595	69.905	-0.2123058	-0.250937	-0.0044
7211	8222115	-0.3701	101.69	17.000	68.421	-0.3714645	-0.423393	0.0014
7211	8222130		101.76	16.698	67.683	-0.4756570	-0.475544	
7211	8222145	-0.5886	101.85	16.394	66.947	-0.5889205	-0.500487	0.0003
7211	8222215	-0.8138	102.02	15.778	65.482	-0.8144282	-0.455280	0.0006
7211	8222230		102.10	15.466	64.753	-0.9120381	-0.385130	
7211	8222245	-0.9918	102.20	15.152	64.026	-0.9907756	-0.296011	-0.0010
7211	8222315	-1.0824	102.39	14.518	62.580	-1.0829334	-0.099057	0.0005
7211	8222330		102.49	14.197	61.860	-1.0934732	0.008779	
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7211	8222430		102.93	12.894	59.000	-0.8950679	0.405149	
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7211	8222530		103.42	11.562	56.172	-0.4229198	0.549252	
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7211	8222615	-0.0761	103.82	10.545	54.070	-0.0777296	0.419627	0.0016
7211	8222630		103.95	10.203	53.372	0.0101960	0.339046	
7211	8222645	0.0778	104.10	9.860	52.676	0.0786043	0.255906	-0.0008
7211	8222715	0.1640	104.38	9.169	51.289	0.1656771	0.130341	-0.0017
7211	8222730		104.53	8.821	50.598	0.1906072	0.087915	
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7211	8222815	0.2230	105.00	7.773	48.592	0.2244834	0.024382	-0.0015
7211	8222830		105.15	7.421	47.846	0.2297077	0.022488	
7211	8222845	0.2372	105.32	7.068	47.162	0.2350797	0.023374	0.0021
7211	8222915	0.2409	105.65	6.360	45.796	0.2440817	0.012901	-0.0032
7211	8222930		105.82	6.005	45.114	0.2458273	0.001542	
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7211	8223015	0.2405	106.34	4.934	43.076	0.2351336	-0.029310	0.0054
7211	8223030		106.52	4.576	42.398	0.2276204	-0.035439	
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7211	8223130		107.26	3.138	39.695	0.1389003	-0.207192	
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7211	82234	2	109.29	-0.534	32.860	-0.6683863	-0.206861	
7211	8223620	-0.5117	111.29	-3.833	26.705	-0.5097159	-0.268120	-0.0020
7211	82237	5	111.97	-4.903	24.686	-0.3869503	0.307964	-0.0018
7211	8223720		112.20	-5.259	24.012	-0.2356325	0.308575	
7211	8223735	-0.1592	112.44	-5.613	23.337	-0.1651344	0.300770	0.0059
7211	82238	5	112.90	-6.320	21.985	-0.0355372	0.253642	0.0005
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7211	8224055		115.63	-10.238	14.259	0.3961027	0.235508	
7211	8224125	0.5136	116.12	-10.912	12.880	0.5180973	0.266133	-0.0045
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7211	82244	5	118.79	-14.383	5.426	1.0630260	0.094864	0.0017
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7211	82245	5	119.80	-15.624	2.580	1.0972624	-0.018918	-0.0032
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7211	82246	5	120.80	-16.827	-0.296	1.0268637	-0.144346	0.0054
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7211	8225432		128.94	-25.012	-26.044	-0.8823802	-0.070539	
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7211	8231050		138.68	-26.347	-80.052	0.3882446	-0.196190	
7211	82311 5	0.3319	138.73	-26.205	-80.859	0.3361470	-0.252211	-0.0042
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7211	8231150		138.89	-25.751	-83.271	0.1331120	-0.305278	
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7211	8231435	-0.0856	139.21	-23.763	-91.942	-0.0772514	0.096896	-0.0083
7211	8231450		139.22	-23.559	-92.717	-0.0562212	0.082734	
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7211	82316 5	-0.0448	139.22	-22.479	-96.551	-0.0419124	-0.064203	-0.0029
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7211	8231650		139.18	-21.788	-98.822	-0.0822696	-0.020789	
7211	82317 5	-0.0800	139.16	-21.551	-99.574	-0.0812759	0.031506	0.0013
7211	8231735	-0.0367	139.11	-21.067	-101.070	-0.0357714	0.174043	-0.0009
7211	8231750		139.08	-20.820	-101.815	0.0146049	0.264312	
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7211 9 6 755	-0.4542	99.61	27.249	103.098	-0.4544661	0.507392	0.0003
7211 9 6 810		99.54	27.140	102.240	-0.3375245	0.504214	
7211 9 6 825	-0.2233	99.47	27.027	101.385	-0.2221345	0.495139	-0.0012
7211 9 6 855	0.0030	99.35	26.785	99.679	0.0014193	0.472239	0.0016
7211 9 6 910		99.30	26.656	98.829	0.1088528	0.458415	
7211 9 6 925	0.2137	99.24	26.522	97.980	0.2127395	0.440427	0.0010
7211 9 6 955	0.3995	99.15	26.239	96.290	0.4041459	0.384257	-0.0046
7211 9 61010		99.11	26.091	95.448	0.4885602	0.346077	
7211 9 61025	0.5672	99.07	25.937	94.607	0.5635869	0.303551	0.0036
7211 9 61055	0.6843	99.00	25.616	92.934	0.6830546	0.212690	0.0012
7211 9 61110		98.98	25.448	92.100	0.7266051	0.164355	
7211 9 61125	0.7565	98.95	25.275	91.269	0.7589156	0.115805	-0.0024
7211 9 61155	0.7903	98.92	24.917	89.614	0.7907957	0.023322	-0.0005
7211 9 61210		98.91	24.730	88.790	0.7910789	-0.020612	
7211 9 61225	0.7821	98.90	24.540	87.969	0.7813612	-0.063462	0.0007
7211 9 61255	0.7349	98.89	24.145	86.333	0.7326351	-0.147181	0.0023
7211 9 61310		98.89	23.941	85.520	0.6939346	-0.188051	
7211 9 61325	0.6436	98.90	23.733	84.708	0.6464071	-0.221214	-0.0028
7211 9 61355	0.5366	98.92	23.305	83.094	0.5369248	-0.243215	-0.0003
7211 9 61410		98.94	23.085	82.290	0.4817913	-0.232059	
7211 9 61425	0.4335	98.96	22.860	81.490	0.4298939	-0.219530	0.0036
7211 9 61455	0.3236	99.01	22.399	79.896	0.3278453	-0.230563	-0.0042
7211 9 61510		99.05	22.163	79.104	0.2721414	-0.254119	
7211 9 61525	0.2118	99.08	21.923	78.314	0.2111872	-0.269040	0.0006
7211 9 61555	0.0997	99.16	21.432	76.742	0.0958725	-0.210969	0.0038
7211 9 61610		99.21	21.181	75.960	0.0550369	-0.137991	
7211 9 61625	0.0315	99.26	20.927	75.181	0.0325133	-0.060522	-0.0010
7211 9 61655	0.0225	99.37	20.408	73.631	0.0293724	0.033350	-0.0069
7211 9 61710		99.43	20.143	72.860	0.0393552	0.049761	
7211 9 61725	0.0577	99.49	19.875	72.092	0.0500014	0.035698	0.0077
7211 9 61755	0.0373	99.63	19.329	70.563	0.0381225	-0.114224	-0.0008

7211 9 61810		99.71	19.051	69.802	-0.0031377	-0.250063
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7211 9 61855	-0.2992	99.95	18.200	67.537	-0.2998472	-0.550929
7211 9 61910		100.04	17.911	66.786	-0.4307013	-0.576723
7211 9 61925	-0.5619	100.14	17.618	66.039	-0.5633011	-0.566022
7211 9 61955	-0.8017	100.33	17.026	64.551	-0.8004254	-0.437367
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7211 9 62210		101.38	14.234	57.974	-0.5958042	0.592919
7211 9 62225	-0.4503	101.51	13.913	57.254	-0.4483229	0.678971
7211 9 62345		102.27	12.165	53.450	0.4129426	0.557134
7211 9 625 5	0.7816	103.11	10.368	49.700	0.7802533	0.086201
7211 9 62535	0.7928	103.45	9.683	48.306	0.7944261	-0.018246
7211 9 62550		103.63	9.339	47.612	0.7856992	-0.055715
7211 9 626 5	0.7702	103.80	8.993	46.918	0.7693954	-0.084211
7211 9 62635	0.7204	104.17	8.298	45.537	0.7217170	-0.116937
7211 9 62650		104.35	7.949	44.848	0.6940762	-0.121164
7211 9 627 5	0.6688	104.54	7.599	44.160	0.6659064	-0.132722
7211 9 62735	0.6014	104.92	6.895	42.789	0.6050433	-0.143108
7211 9 62750		105.12	6.542	42.105	0.5701527	-0.159939
7211 9 628 5	0.5326	105.31	6.188	41.422	0.5309992	-0.179419
7211 9 62835	0.4408	105.72	5.478	40.060	0.4388753	-0.220028
7211 9 62850		105.92	5.122	39.380	0.3856493	-0.241157
7211 9 629 5	0.3251	106.13	4.765	38.701	0.3276377	-0.260996
7211 9 62935	0.1999	106.55	4.050	37.346	0.1996617	-0.291316
7211 9 62950		106.77	3.692	36.669	0.1311363	-0.301795
7211 9 630 5	0.0611	106.99	3.333	35.993	0.0604949	-0.310119
7211 9 63035	-0.0852	107.43	2.614	34.644	-0.0858855	-0.323210
7211 9 63050		107.65	2.254	33.970	-0.1610776	-0.327977
7211 9 631 5	-0.2379	107.88	1.894	33.296	-0.2368970	-0.327428
7211 9 63135	-0.3833	108.33	1.174	31.950	-0.3827220	-0.297988
7211 9 63150		108.56	0.814	31.278	-0.4483645	-0.269094
7211 9 632 5	-0.5036	108.80	0.453	30.606	-0.5062270	-0.230691
7211 9 63235	-0.5933	109.27	-0.267	29.263	-0.5898368	-0.125116
7211 9 63250		109.51	-0.627	28.591	-0.6111523	-0.057940
7211 9 633 5	-0.6148	109.75	-0.987	27.920	-0.6166111	0.008954
7211 9 63345	-0.5672	110.40	-1.946	26.130	-0.5677247	0.137887
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7211 9 63610		112.84	-5.392	19.626	-0.2302507	0.079257
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7211 9 63710		113.89	-6.798	16.921	-0.1538808	0.109863
7211 9 63725	-0.1238	114.16	-7.147	16.243	-0.1255270	0.135998
7211 9 63755	-0.0506	114.69	-7.842	14.885	-0.0499179	0.192477
7211 9 63810		114.95	-8.187	14.204	-0.0020170	0.222821
7211 9 63825	0.0530	115.22	-8.532	13.522	0.0528953	0.252385
7211 9 63855	0.1802	115.76	-9.216	12.156	0.1814615	0.302579
7211 9 63910		116.03	-9.557	11.471	0.2537383	0.323209
7211 9 63925	0.3331	116.30	-9.896	10.785	0.3301654	0.337134
7211 9 64010	0.5580	117.11	-10.903	8.719	0.5618348	0.316268
7211 9 64032		117.52	-11.402	7.682	0.6641095	0.270605
7211 9 64055	0.7506	117.93	-11.896	6.642	0.7481437	0.215509
7211 9 64125	0.8353	118.48	-12.549	5.249	0.8320304	0.149261
7211 9 64140		118.75	-12.873	4.551	0.8629762	0.119230
7211 9 64155	0.8838	119.03	-13.195	3.851	0.8871559	0.090246
7211 9 64225	0.9141	119.58	-13.833	2.445	0.9154670	0.032430
7211 9 64247		119.98	-14.305	1.387	0.9192085	-0.010799

7211 9 64310	0.9096	120.40	-14.773	0.325	0.9076425	-0.057010	0.0020
7211 9 64355	0.8333	121.22	-15.694	-1.812	0.8312705	-0.167590	0.0020
7211 9 64410		121.49	-15.996	-2.528	0.7877659	-0.209828	
7211 9 64425	0.7306	121.76	-16.295	-3.246	0.7346228	-0.249110	-0.0040
7211 9 64455	0.6074	122.31	-16.887	-4.688	0.6061226	-0.301806	0.0013
7211 9 64510		122.57	-17.179	-5.412	0.5347480	-0.315223	
7211 9 64525	0.4618	122.85	-17.468	-6.138	0.4610182	-0.323074	0.0008
7211 9 64555	0.3094	123.39	-18.039	-7.596	0.3095945	-0.331215	-0.0002
7211 9 64612		123.70	-18.366	-8.451	0.2202885	-0.331310	
7211 9 64630	0.1315	124.02	-18.690	-9.309	0.1315493	-0.326832	0.0000
7211 9 647 5	-0.0392	124.64	-19.325	-11.033	-0.0384880	-0.300718	-0.0007
7211 9 64720		124.90	-19.593	-11.776	-0.1058946	-0.282521	
7211 9 64735	-0.1681	125.17	-19.857	-12.520	-0.1688057	-0.262798	0.0007
7211 9 64825		126.04	-20.714	-15.020	-0.3480988	-0.205297	
7211 9 64915	-0.4854	126.90	-21.534	-17.544	-0.4859222	-0.152377	0.0005
7211 9 64945	-0.5509	127.42	-22.008	-19.071	-0.5485972	-0.118918	-0.0023
7211 9 650 0		127.66	-22.239	-19.838	-0.5740681	-0.101709	
7211 9 65015	-0.5936	127.92	-22.467	-20.607	-0.5957007	-0.086405	0.0021
7211 9 65045	-0.6299	128.42	-22.911	-22.152	-0.6307521	-0.068191	0.0009
7211 9 651 0		128.66	-23.128	-22.928	-0.6460781	-0.065281	
7211 9 65115	-0.6637	128.91	-23.341	-23.707	-0.6609979	-0.063758	-0.0027
7211 9 65145	-0.6873	129.40	-23.754	-25.270	-0.6890001	-0.056643	0.0017
7211 9 652 0		129.64	-23.955	-26.056	-0.7014560	-0.051050	
7211 9 65215	-0.7111	129.88	-24.152	-26.843	-0.7122023	-0.040695	0.0011
7211 9 65245	-0.7257	130.35	-24.534	-28.424	-0.7218110	0.004515	-0.0039
7211 9 653 0		130.58	-24.718	-29.218	-0.7169028	0.039371	
7211 9 65315	-0.6988	130.82	-24.898	-30.014	-0.7031094	0.081169	0.0043
7211 9 65345	-0.6455	131.28	-25.246	-31.612	-0.6432494	0.181915	-0.0023
7211 9 654 0		131.50	-25.414	-32.414	-0.5945622	0.240863	
7211 9 65415	-0.5325	131.73	-25.576	-33.218	-0.5324250	0.294905	-0.0001
7211 9 65445	-0.3785	132.17	-25.889	-34.833	-0.3796873	0.356401	0.0012
7211 9 655 0		132.38	-26.039	-35.643	-0.2962565	0.363855	
7211 9 65515	-0.2133	132.61	-26.184	-36.455	-0.2128197	0.356792	-0.0005
7211 9 65545	-0.0592	133.03	-26.460	-38.084	-0.0586306	0.302153	-0.0006
7211 9 656 0		133.23	-26.592	-38.901	-0.0058870	0.254577	
7211 9 65615	0.0568	133.45	-26.718	-39.719	0.0581552	0.197289	-0.0014
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7211 9 657 0		134.05	-27.070	-42.185	0.1260496	-0.010089	
7211 9 65715	0.1114	134.25	-27.177	-43.010	0.1157043	-0.075268	-0.0043
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7211 9 658 2		134.85	-27.486	-45.631	0.0314160	-0.112444	
7211 9 65820	0.0075	135.08	-27.587	-46.599	0.0056061	-0.079532	0.0019
7211 9 65855	-0.0216	135.50	-27.770	-48.541	-0.0204703	-0.018325	-0.0011
7211 9 65910		135.67	-27.840	-49.375	-0.0218692	0.006015	
7211 9 65925	-0.0172	135.86	-27.905	-50.209	-0.0180498	0.025712	0.0008
7211 9 65955	-0.0032	136.20	-28.019	-51.881	-0.0014835	0.040612	-0.0017
7211 9 7 010		136.36	-28.069	-52.718	0.0074942	0.035820	
7211 9 7 025	0.0165	136.53	-28.114	-53.555	0.0146959	0.026379	0.0018
7211 9 7 055	0.0212	136.85	-28.188	-55.231	0.0219063	0.004102	-0.0007
7211 9 7 110		136.99	-28.218	-56.071	0.0213935	-0.008734	
7211 9 7 125	0.0180	137.15	-28.242	-56.909	0.0181082	-0.018521	-0.0001
7211 9 7 155	0.0091	137.45	-28.276	-58.588	0.0089374	-0.016384	0.0002
7211 9 7 225	0.0074	137.73	-28.289	-60.267	0.0074343	0.014696	0.0000

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7211 910 635	0.2497	99.02	27.568	103.519	0.2497116	0.181377	0.0000	
7211 910 7 5	0.3449	98.87	27.377	101.795	0.3445874	0.220826	0.0003	
7211 910 720		98.80	27.274	100.936	0.3958207	0.220750		
7211 910 735	0.4446	98.73	27.165	100.078	0.4459657	0.213681	-0.0014	
7211 910 8 5	0.5427	98.60	26.933	98.367	0.5409300	0.197180	0.0018	
7211 910 820		98.55	26.809	97.514	0.5853631	0.187751		
7211 910 835	0.6287	98.50	26.680	96.663	0.6272024	0.173022	0.0015	
7211 910 9 5	0.6893	98.40	26.407	94.966	0.6950064	0.114172	-0.0057	
7211 910 920		98.36	26.263	94.121	0.7164537	0.070060		
7211 910 935	0.7299	98.32	26.114	93.278	0.7271551	0.023436	0.0027	
7211 91010 5	0.7243	98.26	25.801	91.598	0.7190486	-0.055344	0.0053	
7211 9101020		98.23	25.638	90.761	0.7024726	-0.087504		
7211 9101035	0.6722	98.21	25.470	89.927	0.6786743	-0.119314	-0.0065	
7211 9101110	0.5925	98.18	25.059	87.989	0.5911390	-0.209397	0.0014	
7211 9101127		98.16	24.844	87.025	0.5276490	-0.262794		
7211 9101145	0.4509	98.16	24.624	86.065	0.4502272	-0.309267	0.0007	
7211 9101215	0.2981	98.16	24.231	84.427	0.2972304	-0.344056	0.0009	
7211 9101230		98.17	24.029	83.611	0.2179845	-0.340166		
7211 9101245	0.1410	98.18	23.822	82.798	0.1405417	-0.331607	0.0005	
7211 9101315	-0.0150	98.21	23.395	81.181	-0.0112151	-0.329037	-0.0038	
7211 9101330		98.23	23.175	80.376	-0.0877680	-0.335026		
7211 9101345	-0.1656	98.26	22.952	79.574	-0.1656653	-0.338094	0.0001	
7211 9101415	-0.3096	98.33	22.493	77.977	-0.3174127	-0.312146	0.0078	
7211 9101430		98.36	22.258	77.183	-0.3863255	-0.283132		
7211 9101445	-0.4525	98.40	22.018	76.392	-0.4471722	-0.241681	-0.0053	
7211 9101515	-0.5367	98.50	21.529	74.817	-0.5319769	-0.116241	-0.0047	
7211 9101530		98.55	21.279	74.034	-0.5493886	-0.032252		
7211 9101545	-0.5436	98.61	21.025	73.253	-0.5482133	0.034238	0.0046	
7211 9101620	-0.5251	98.76	20.419	71.443	-0.5274763	-0.001856	0.0024	
7211 9101647		98.88	19.930	70.030	-0.5681990	-0.218110		
7211 9101715	-0.7196	99.03	19.431	68.627	-0.7149350	-0.454729	-0.0047	
7211 91018 5	-1.1309	99.31	18.495	66.098	-1.1341045	-0.566247	0.0032	
7211 9101820		99.41	18.208	65.345	-1.2601033	-0.519506		
7211 9101835	-1.3708	99.51	17.918	64.595	-1.3717009	-0.443594	0.0009	
7211 91019 5	-1.5344	99.71	17.329	63.101	-1.5300059	-0.228007	-0.0044	
7211 9101920		99.82	17.031	62.358	-1.5669200	-0.088353		
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7211 91020 5	-1.4798	100.17	16.121	60.144	-1.4816688	0.320488	0.0019	
7211 9102020		100.29	15.812	59.411	-1.3939657	0.437998		
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7211 9102120		100.82	14.555	56.501	-0.8016771	0.822637		
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7211 91022 5	-0.1996	101.25	13.589	54.341	-0.1965902	0.856546	-0.0030	
7211 9102220		101.40	13.263	53.626	-0.0072195	0.776993		
7211 9102235	0.1626	101.55	12.935	52.912	0.1602636	0.673248	0.0023	
7211 91023 5	0.4200	101.87	12.274	51.491	0.4216567	0.457193	-0.0017	
7211 9102320		102.03	11.940	50.783	0.5142655	0.344887		
7211 9102335	0.5832	102.19	11.605	50.077	0.5814314	0.239800	0.0018	
7211 91024 5	0.6506	102.54	10.930	48.671	0.6530170	0.081916	-0.0024	
7211 9102420		102.71	10.591	47.970	0.6654927	0.029100		
7211 9102435	0.6698	102.89	10.249	47.271	0.6674339	-0.010912	0.0024	
7211 91025 5	0.6466	103.25	9.563	45.879	0.6483682	-0.066185	-0.0018	

7211 9102520		103.44	9.217	45.184	0.6311732	-0.081455		
7211 9102535	0.6132	103.63	8.871	44.492	0.6110576	-0.092870	0.0021	
7211 91026 5	0.5591	104.02	8.174	43.111	0.5626347	-0.117243	-0.0035	
7211 9102620		104.21	7.824	42.422	0.5340917	-0.130200		
7211 9102635	0.5070	104.41	7.473	41.735	0.5025081	-0.143349	0.0045	
7211 91027 5	0.4260	104.82	6.768	40.365	0.4303369	-0.169198	-0.0043	
7211 9102720		105.03	6.415	39.681	0.3898203	-0.181899		
7211 9102735	0.3496	105.24	6.060	38.999	0.3463404	-0.194814	0.0033	
7211 91028 5	0.2481	105.67	5.349	37.637	0.2501336	-0.222330	-0.0020	
7211 9102820		105.89	4.992	36.958	0.1971495	-0.236930		
7211 9102835	0.1427	106.11	4.634	36.279	0.1407937	-0.250917	0.0019	
7211 91029 5	0.0170	106.56	3.918	34.925	0.0194671	-0.273467	-0.0025	
7211 9102920		106.79	3.559	34.249	-0.0446679	-0.282033		
7211 9102935	-0.1087	107.02	3.200	33.573	-0.1104098	-0.286273	0.0017	
7211 91030 5	-0.2404	107.49	2.481	32.224	-0.2408429	-0.274195	0.0004	
7211 9103020		107.72	2.120	31.551	-0.3023723	-0.257884		
7211 9103035	-0.3614	107.96	1.760	30.877	-0.3592833	-0.233539	-0.0021	
7211 91031 5	-0.4484	108.45	1.039	29.532	-0.4509140	-0.157275	0.0025	
7211 9103120		108.69	0.678	28.860	-0.4813973	-0.105365		
7211 9103135	-0.5013	108.94	0.318	28.188	-0.4993108	-0.050283	-0.0020	
7211 91032 5	-0.4980	109.44	-0.403	26.846	-0.4986647	0.051147	0.0007	
7211 9103220		109.69	-0.764	26.174	-0.4814563	0.097499		
7211 9103235	-0.4528	109.94	-1.124	25.503	-0.4543295	0.134993	0.0015	
7211 91033 5	-0.3853	110.45	-1.843	24.161	-0.3827005	0.165402	-0.0026	
7211 9103320		110.71	-2.203	23.490	-0.3450589	0.158331		
7211 9103335	-0.3115	110.97	-2.561	22.818	-0.3102773	0.142500	-0.0012	
7211 91034 5	-0.2464	111.50	-3.278	21.475	-0.2532268	0.102871	0.0068	
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7211 9103435	-0.2211	112.03	-3.992	20.130	-0.2164565	0.058719	-0.0046	
7211 91035 5	-0.1970	112.57	-4.703	18.784	-0.1935932	0.046697	-0.0034	
7211 9103520		112.84	-5.058	18.110	-0.1820397	0.055020		
7211 9103535	-0.1633	113.11	-5.412	17.436	-0.1675061	0.072239	0.0042	
7211 91036 5	-0.1197	113.66	-6.117	16.086	-0.1217791	0.131331	0.0021	
7211 9103620		113.93	-6.468	15.409	-0.0867970	0.173197		
7211 9103635	-0.0450	114.20	-6.818	14.733	-0.0417647	0.215706	-0.0032	
7211 9103745		115.50	-8.438	11.562	0.2614114	0.321847		
7211 9103855	0.6058	116.82	-10.030	8.370	0.6014773	0.288212	0.0043	
7211 9103930	0.7326	117.48	-10.813	6.764	0.7407173	0.223503	-0.0081	
7211 9103947		117.81	-11.202	5.959	0.7951332	0.179161		
7211 91040 5	0.8428	118.14	-11.588	5.152	0.8372349	0.134982	0.0056	
7211 9104035	0.8868	118.71	-12.245	3.763	0.8855655	0.078430	0.0012	
7211 9104050		118.99	-12.571	3.066	0.9013371	0.059259		
7211 91041 5	0.9092	119.28	-12.895	2.368	0.9128814	0.039550	-0.0037	
7211 9104135	0.9182	119.85	-13.536	0.968	0.9182087	-0.021218	0.0000	
7211 9104150		120.13	-13.854	0.264	0.9087117	-0.062270		
7211 91042 5	0.8918	120.42	-14.170	-0.440	0.8892860	-0.105538	0.0025	
7211 9104235	0.8206	120.99	-14.795	-1.855	0.8220590	-0.183872	-0.0015	
7211 9104250		121.27	-15.104	-2.565	0.7755253	-0.218940		
7211 91043 5	0.7212	121.56	-15.411	-3.276	0.7212562	-0.250368	-0.0001	
7211 9104335	0.5942	122.13	-16.017	-4.706	0.5936322	-0.299440	0.0006	
7211 9104350		122.41	-16.317	-5.423	0.5224014	-0.317090		
7211 91044 5	0.4471	122.69	-16.614	-6.143	0.4475928	-0.330113	-0.0005	
7211 9104435	0.2921	123.26	-17.201	-7.588	0.2916967	-0.342108	0.0004	
7211 9104450		123.53	-17.490	-8.313	0.2127716	-0.341086		
7211 91045 5	0.1336	123.82	-17.777	-9.041	0.1344930	-0.336570	-0.0009	
7211 9104535	-0.0162	124.38	-18.341	-10.502	-0.0175701	-0.320631	0.0014	
7211 9104550		124.65	-18.620	-11.236	-0.0902929	-0.309209		
7211 91046 5	-0.1603	124.93	-18.895	-11.973	-0.1601510	-0.295526	-0.0001	
7211 9104635	-0.2914	125.48	-19.436	-13.451	-0.2890843	-0.261541	-0.0023	
7211 9104650		125.75	-19.703	-14.194	-0.3471440	-0.241243		
7211 91047 5	-0.3969	126.03	-19.966	-14.939	-0.4003646	-0.219707	0.0035	
7211 9104735	-0.4944	126.57	-20.482	-16.436	-0.4917267	-0.175909	-0.0027	
7211 9104750		126.84	-20.735	-17.188	-0.5297596	-0.153648		
7211 91048 5	-0.5614	127.11	-20.985	-17.942	-0.5627270	-0.132243	0.0013	
7211 9104835	-0.6154	127.65	-21.475	-19.457				

7211 91049 5	-0.6517	128.17	-21.951	-20.981	-0.6520898	-0.067355	0.0004
7211 9104935	-0.6800	128.70	-22.413	-22.514	-0.6794296	-0.053613	-0.0006
7211 91050 0		129.12	-22.786	-23.800	-0.6997489	-0.053768	
7211 9105025	-0.7202	129.55	-23.149	-25.091	-0.7205518	-0.051952	0.0004
7211 9105115	-0.7461	130.39	-23.843	-27.692	-0.7461174	-0.004837	0.0000
7211 9105130		130.63	-24.043	-28.477	-0.7443979	0.020604	
7211 9105145	-0.7359	130.88	-24.238	-29.264	-0.7360401	0.053385	0.0001
7211 9105215	-0.6920	131.37	-24.617	-30.846	-0.6911625	0.147333	-0.0008
7211 9105230		131.61	-24.800	-31.640	-0.6502743	0.208500	
7211 9105245	-0.5941	131.85	-24.979	-32.436	-0.5948423	0.270446	0.0007
7211 9105315	-0.4457	132.32	-25.324	-34.034	-0.4456398	0.370631	-0.0001
7211 9105330		132.54	-25.490	-34.836	-0.3555178	0.408869	
7211 9105345	-0.2574	132.78	-25.651	-35.640	-0.2581078	0.431060	0.0007
7211 9105415	-0.0630	133.23	-25.961	-37.254	-0.0618802	0.402871	-0.0011
7211 9105430		133.45	-26.109	-38.064	0.0257690	0.352490	
7211 9105445	0.0966	133.67	-26.253	-38.876	0.0999216	0.289945	-0.0033
7211 9105515	0.2105	134.10	-26.526	-40.504	0.2048326	0.164437	0.0057
7211 9105530		134.31	-26.656	-41.322	0.2355267	0.101474	
7211 9105545	0.2544	134.53	-26.781	-42.140	0.2520712	0.043581	0.0023
7211 9105615	0.2456	134.94	-27.017	-43.782	0.2510000	-0.041369	-0.0054
7211 9105745		136.12	-27.610	-48.741	0.1453426	-0.049528	
7211 9105915	0.1568	137.20	-28.025	-53.739	0.1520436	0.025142	0.0048
7211 9105945	0.1586	137.54	-28.123	-55.411	0.1597863	0.004615	-0.0012
7211 911 0 0		137.70	-28.165	-56.249	0.1587933	-0.014164	
7211 911 015	0.1496	137.86	-28.201	-57.086	0.1534013	-0.030938	-0.0038
7211 911 045	0.1336	138.17	-28.259	-58.762	0.1365922	-0.035420	-0.0030
7211 911 1 0		138.32	-28.280	-59.601	0.1296480	-0.023129	
7211 911 115	0.1315	138.47	-28.296	-60.439	0.1262539	-0.006419	0.0052
7211 911 145	0.1334	138.76	-28.313	-62.116	0.1305480	0.024455	0.0029
7211 911 2 0		138.90	-28.314	-62.955	0.1378442	0.038618	
7211 911 215	0.1419	139.04	-28.310	-63.793	0.1481482	0.049805	-0.0062
7211 911 245	0.1755	139.30	-28.286	-65.470	0.1735590	0.056872	0.0019
7211 911 3 0		139.42	-28.267	-66.307	0.1863100	0.052752	
7211 911 315	0.1983	139.55	-28.242	-67.144	0.1978626	0.047969	0.0004
7211 911 345	0.2211	139.78	-28.178	-68.817	0.2198356	0.049737	0.0013
7211 911 4 0		139.89	-28.138	-69.652	0.2320002	0.056287	
7211 911 415	0.2444	140.00	-28.093	-70.487	0.2457910	0.062434	-0.0014
7211 911 445	0.2744	140.21	-27.988	-72.153	0.2749842	0.060975	-0.0006
7211 911 5 0		140.31	-27.929	-72.985	0.2882700	0.053369	
7211 911 515	0.2992	140.41	-27.864	-73.816	0.2992624	0.041068	-0.0001
7211 911 545	0.3130	140.59	-27.720	-75.474	0.3099530	0.002039	0.0030
7211 911 6 0		140.67	-27.640	-76.301	0.3074313	-0.024688	
7211 911 615	0.2950	140.75	-27.556	-77.127	0.2980743	-0.057661	-0.0031
7211 911 645	0.2521	140.91	-27.373	-78.775	0.2520921	-0.146656	0.0000
7211 911 7 0		140.97	-27.274	-79.597	0.2119198	-0.202678	
7211 911 715	0.1598	141.05	-27.170	-80.416	0.1586888	-0.256503	0.0011
7211 911 745	0.0221	141.17	-26.949	-82.052	0.0219204	-0.327927	0.0002
7211 911 8 0		141.22	-26.831	-82.867	0.0560417	-0.345524	
7211 911 815	-0.1363	141.28	-26.709	-83.680	-0.1364980	-0.348782	0.0002
7211 911 845	-0.2923	141.38	-26.451	-85.301	-0.2900838	-0.305481	-0.0021
7211 911 9 2		141.42	-26.292	-86.244	-0.3653485	-0.249531	
7211 911 920	-0.4213	141.47	-26.127	-87.183	-0.4236913	-0.184679	0.0024
7211 911 955	-0.4921	141.54	-25.779	-89.054	-0.4911951	-0.069108	-0.0009
7211 9111010		141.57	-25.622	-89.853	-0.5020348	-0.025363	
7211 9111025	-0.5040	141.59	-25.461	-90.649	-0.5035474	0.010070	-0.0005
7211 9111055	-0.4888	141.62	-25.127	-92.234	-0.4895985	0.041615	0.0008
7211 9111110		141.63	-24.953	-93.024	-0.4801877	0.037714	
7211 9111125	-0.4732	141.64	-24.776	-93.811	-0.4725682	0.020848	-0.0006
7211 9111155	-0.4613	141.65	-24.409	-95.379	-0.4616303	0.020656	0.0003
7211 9111210		141.64	-24.219	-96.160	-0.4568442	0.021332	
7211 9111225	-0.4512	141.64	-24.025	-96.938	-0.4513792	0.027243	0.0002
7211 9111255	-0.4324	141.61	-23.626	-98.487	-0.4321457	0.060938	-0.0003
7211 9111310		141.59	-23.421	-99.258	-0.4150071	0.088730	
7211 9111325	-0.3915	141.57	-23.212	-100.027	-0.3901122	0.130442	-0.0014
7211 9111355	-0.2957	141.52	-22.783	-101.557	-0.2995400	0.275642	0.0038
7211 9111410		141.48	-22.563	-102.319	-0.2243418	0.379149	

7211 9111425	-0.1281	141.45	-22.340	-103.077	-0.1239798	0.489449	-0.0041
7211 9111455	0.1513	141.36	-21.883	-104.588	0.1492051	0.689384	0.0021
7211 9111525	0.5079	141.26	-21.411	-106.089	0.5083195	0.861695	-0.0004

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CONFAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
7211 914 635	1.0303	98.02	27.398	99.352	1.0302889	0.068838	0.0000
7211 914 7 5	1.0651	97.89	27.182	97.633	1.0653991	0.076531	-0.0003
7211 914 720		97.83	27.066	95.776	1.0819525	0.065242	
7211 914 735	1.0962	97.78	26.945	95.921	1.0948064	0.044696	0.0014
7211 914 8 5	1.0974	97.68	26.688	94.216	1.1014307	-0.021604	-0.0040
7211 914 820		97.64	26.552	93.366	1.0913277	-0.067350	
7211 914 835	1.0792	97.60	26.411	92.518	1.0702193	-0.114571	0.0090
7211 914 9 5	0.9852	97.54	26.114	90.829	0.9984896	-0.192497	-0.0133
7211 914 920		97.51	25.958	89.908	0.9504151	-0.223207	
7211 914 935	0.9061	97.49	25.797	89.149	0.8955335	-0.252667	0.0106
7211 91410 5	0.7626	97.45	25.461	87.478	0.7636858	-0.320476	-0.0011
7211 9141020		97.44	25.287	86.646	0.6853575	-0.358821	
7211 9141035	0.5904	97.43	25.107	85.816	0.5984757	-0.391274	-0.0081
7211 91411 5	0.4210	97.43	24.734	84.164	0.4108168	-0.411809	0.0102
7211 9141120		97.44	24.541	83.342	0.3168674	-0.399905	
7211 9141135	0.2265	97.45	24.344	82.522	0.2263825	-0.385494	0.0001
7211 91412 5	0.0387	97.48	23.935	80.891	0.0497947	-0.386000	-0.0111
7211 9141220		97.50	23.725	80.079	-0.0408203	-0.400908	
7211 9141235	-0.1348	97.52	23.510	79.270	-0.1347822	-0.409112	0.0000
7211 91413 5	-0.3005	97.58	23.069	77.660	-0.3149581	-0.355953	0.0145
7211 9141332		97.65	22.649	76.193	-0.4408182	-0.225713	
7211 91414 0	-0.5170	97.74	22.217	74.735	-0.5058805	-0.094441	-0.0111
7211 9141455	-0.5514	97.94	21.315	71.848	-0.5495249	-0.059214	-0.0019
7211 9141510		98.01	21.060	71.067	-0.5677299	-0.102236	
7211 9141525	-0.5886	98.08	20.802	70.289	-0.5984526	-0.167758	0.0099
7211 9141555	-0.7202	98.23	20.276	68.740	-0.7182809	-0.366340	-0.0019
7211 9141610		98.31	20.008	67.970	-0.8177984	-0.499422	
7211 9141625	-0.9543	98.39	19.736	67.203	-0.9471378	-0.610327	-0.0072
7211 9141655	-1.2370	98.57	19.183	65.676	-1.2441742	-0.631928	0.0072
7211 9141710		98.67	18.902	64.917	-1.3810521	-0.542559	
7211 9141725	-1.4956	98.77	18.618	64.160	-1.4918967	-0.417122	-0.0037
7211 9141755	-1.6226	98.98	18.042	62.654	-1.6236026	-0.149783	0.0010
7211 9141810		99.09	17.749	61.905	-1.6419092	-0.007876	
7211 9141825	-1.6285	99.20	17.453	61.158	-1.6273384	0.132876	-0.0012
7211 9141855	-1.5022	99.44	16.854	59.673	-1.5051103	0.391522	0.0029
7211 9141910		99.57	16.551	58.934	-1.4009522	0.509408	
7211 9141925	-1.2724	99.69	16.245	58.197	-1.2705125	0.619789	-0.0019

7211	9141955	-0.9396	99.96	15.625	56.731	-0.9273046	0.818829	-0.0023
7211	9142010		100.10	15.312	56.002	-0.7378653	0.907481	
7211	9142025	-0.5147	100.24	14.997	55.275	-0.5206787	0.965793	0.0060
7211	9142055	-0.0834	100.54	14.359	53.827	-0.0766022	0.922371	-0.0068
7211	9142110		100.69	14.037	53.106	0.1256464	0.820584	
7211	9142125	0.3043	100.85	13.713	52.388	0.3003214	0.693672	0.0040
7211	9142155	0.5641	101.17	13.058	50.957	0.5635917	0.448823	0.0005
7211	9142210		101.34	12.728	50.245	0.6535503	0.330890	
7211	9142225	0.7149	101.51	12.397	49.535	0.7170999	0.222496	-0.0022
7211	9142255	0.7792	101.86	11.728	48.120	0.7783615	0.053528	0.0008
7211	9142310		102.04	11.391	47.416	0.7834224	-0.007031	
7211	9142325	0.7758	102.22	11.052	46.713	0.7761474	-0.054232	-0.0003
7211	9142355	0.7367	102.59	10.371	45.313	0.7350767	-0.116551	0.0016
7211	9142410		102.79	10.028	44.615	0.7062152	-0.131659	
7211	9142425	0.6723	102.98	9.683	43.919	0.6746942	-0.141554	-0.0024
7211	9142455	0.6059	103.38	8.991	42.532	0.6046152	-0.162222	0.0013
7211	9142510		103.58	8.643	41.840	0.5659203	-0.172996	
7211	9142525	0.5267	103.79	8.294	41.150	0.5247459	-0.183784	0.0020
7211	9142555	0.4296	104.21	7.592	39.774	0.4350511	-0.204605	-0.0055
7211	9142610		104.42	7.239	39.088	0.3866453	-0.214638	
7211	9142625	0.3414	104.64	6.886	38.403	0.3359544	-0.224712	0.0054
7211	9142655	0.2250	105.08	6.177	37.037	0.2273731	-0.245891	-0.0024
7211	9142710		105.31	5.821	36.356	0.1693221	-0.256998	
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7211	9142755	-0.0194	106.00	4.749	34.318	-0.0176978	-0.279328	-0.0017
7211	9142810		106.23	4.391	33.640	-0.0825126	-0.281664	
7211	9142825	-0.1450	106.47	4.032	32.963	-0.1474808	-0.280677	0.0025
7211	9142855	-0.2774	106.95	3.313	31.612	-0.2744054	-0.266434	-0.0030
7211	9142910		107.19	2.953	30.937	-0.3344721	-0.253174	
7211	9142925	-0.3852	107.44	2.592	30.263	-0.3906882	-0.232063	0.0055
7211	9142955	-0.4878	107.94	1.870	28.917	-0.4818136	-0.154937	-0.0060
7211	9143010		108.19	1.509	28.244	-0.5113439	-0.098912	
7211	9143025	-0.5272	108.44	1.148	27.572	-0.5273936	-0.041717	0.0002
7211	9143055	-0.5226	108.96	0.426	26.229	-0.5252201	0.044970	0.0026
7211	9143225		110.55	-1.739	22.204	-0.3980650	0.083165	
7211	9143355	-0.3272	112.19	-3.892	18.177	-0.3257439	0.054425	-0.0015
7211	9143425	-0.2963	112.75	-4.605	16.832	-0.2934740	0.089053	-0.0028
7211	9143440		113.04	-4.960	16.159	-0.2700618	0.114662	
7211	9143455	-0.2350	113.32	-5.315	15.485	-0.2403168	0.143156	0.0053
7211	9143525	-0.1584	113.89	-6.022	14.136	-0.1609229	0.200956	0.0025
7211	9143540		114.17	-6.374	13.461	-0.1111446	0.230262	
7211	9143555	-0.0632	114.46	-6.725	12.785	-0.0548147	0.257006	-0.0084
7211	9143625	0.0789	115.04	-7.423	11.430	0.0732995	0.204407	0.0056
7211	9143640		115.33	-7.771	10.752	0.1426102	0.305060	
7211	9143655	0.2140	115.62	-8.118	10.072	0.2137922	0.311205	0.0002
7211	9143725	0.3539	116.20	-8.807	8.710	0.3583480	0.312585	-0.0044
7211	9143740		116.49	-9.150	8.028	0.4300421	0.307815	
7211	9143755	0.5040	116.78	-9.491	7.344	0.4997814	0.294217	0.0042
7211	9143825	0.6223	117.37	-10.170	5.973	0.6217813	0.224934	0.0005
7211	9143840		117.66	-10.506	5.286	0.6675576	0.169236	
7211	9143855	0.6930	117.96	-10.842	4.598	0.6999388	0.113801	-0.0069
7211	9143925	0.7452	118.55	-11.508	3.217	0.7346920	0.046422	0.0105
7211	9143940		118.84	-11.838	2.524	0.7437541	0.034493	
7211	9143955	0.7452	119.14	-12.166	1.830	0.7507145	0.023829	-0.0055
7211	9144025	0.7459	119.73	-12.818	0.438	0.7503333	-0.033476	-0.0044
7211	9144040		120.03	-13.141	-0.260	0.7374486	-0.080130	
7211	9144055	0.7200	120.32	-13.462	-0.961	0.7131188	-0.129694	0.0069
7211	9144125	0.6323	120.91	-14.097	-2.366	0.6336547	-0.210458	-0.0014
7211	9144140		121.21	-14.412	-3.071	0.5813413	-0.241652	
7211	9144155	0.5218	121.50	-14.725	-3.778	0.5224890	-0.267670	-0.0007
7211	9144225	0.3868	122.09	-15.343	-5.197	0.3891535	-0.307144	-0.0024
7211	9144240		122.38	-15.648	-5.910	0.3166015	-0.320595	
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7211	9144325	0.0903	123.26	-16.551	-8.059	0.0873458	-0.335002	0.0030
7211	9144340		123.55	-16.846	-8.779	0.0103645	-0.331073	
7211	9144355	-0.0717	123.84	-17.140	-9.501	-0.0653008	-0.324495	-0.0064

7211	9144425	-0.2068	124.42	-17.718	-10.952	-0.2115725	-0.308530	0.0048
7211	9144440		124.71	-18.003	-11.680	-0.2817451	-0.299141	
7211	9144455	-0.3473	125.00	-18.285	-12.411	-0.3494912	-0.287286	0.0022
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7211	9144625	-0.6547	126.70	-19.917	-16.839	-0.6587199	-0.141636	0.0040
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7211	9144850		129.36	-22.303	-24.145	-0.7560337	-0.028387	
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7211	9145145	-0.5159	132.35	-24.723	-33.245	-0.5118514	0.362459	-0.0040
7211	91452 0		132.59	-24.905	-34.039	-0.4229878	0.406414	
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7211	91453 0		133.55	-25.591	-37.236	-0.0061758	0.459723	
7211	9145315	0.1041	133.78	-25.751	-38.040	0.0973866	0.433542	0.0067
7211	9145345	0.2593	134.24	-26.058	-39.654	0.2725289	0.309174	-0.0132
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7211	9145920		138.63	-28.205	-58.087	0.2919740	-0.017033	
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7211	915 020		139.26	-28.328	-61.437	0.2621952	-0.003544	
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7211	915 1 5	0.2858	139.70	-28.367	-63.952	0.2844103	0.048839	0.0014
7211	915 120		139.84	-28.370	-64.790	0.2950374	0.041162	
7211	915 135	0.3001	139.97	-28.368	-65.628	0.3031714	0.030342	-0.0031
7211	915 2 5	0.3144	140.23	-28.348	-67.304	0.3155712	0.027564	-0.0012
7211	915 220		140.36	-28.330	-68.141	0.3227392	0.035682	
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7211	915 3 5	0.3522	140.72	-28.247	-70.650	0.3543398	0.048906	-0.0021
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7211 918 354	-0.2336	97.73	27.970	104.403	-0.23 5919	0.248102	0.0000
7211 918 424	-0.0951	97.54	27.842	102.663	-0.0953183	0.330564	0.0002
7211 918 439		97.46	27.769	101.794	-0.0189095	0.326030	
7211 918 454	0.0531	97.38	27.691	100.926	0.0540852	0.306933	-0.0010
7211 918 524	0.1898	97.23	27.519	99.195	0.1877067	0.272828	0.0021
7211 918 539		97.16	27.425	98.331	0.2489580	0.257823	
7211 918 554	0.3038	97.10	27.326	97.469	0.3065359	0.240156	-0.0027
7211 918 624	0.4074	96.98	27.112	95.749	0.4056279	0.184625	0.0018
7211 918 639		96.92	26.997	94.892	0.4440233	0.146748	
7211 918 654	0.4752	96.88	26.877	94.036	0.4731104	0.105306	0.0021
7211 918 724	0.4958	96.79	26.621	92.330	0.5023284	0.020949	-0.0065
7211 918 739		96.75	26.486	91.480	0.5022200	-0.021967	
7211 918 754	0.4981	96.72	26.346	90.632	0.4921722	-0.065155	0.0059
7211 918 824	0.4400	96.67	26.050	88.942	0.4420609	-0.152028	-0.0021
7211 918 839		96.65	25.895	88.100	0.4019077	-0.195714	
7211 918 854	0.3558	96.63	25.735	87.260	0.3520113	-0.235484	0.0038
7211 918 924	0.2193	96.61	25.401	85.588	0.2291798	-0.291352	-0.0099
7211 918 939		96.61	25.227	84.755	0.1598819	-0.307433	
7211 918 954	0.0969	96.60	25.048	83.925	0.0876788	-0.317887	0.0092
7211 9181024	-0.0646	96.62	24.677	82.272	-0.0621221	-0.328835	-0.0025
7211 9181039		96.63	24.485	81.449	-0.1381878	-0.329323	
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7211 9181124	-0.3730	96.69	23.882	78.996	-0.3656951	-0.328839	-0.0073
7211 9181139		96.72	23.672	78.184	-0.4417659	-0.330030	
7211 9181154	-0.5115	96.75	23.459	77.374	-0.5170149	-0.317589	0.0055
7211 9181224	-0.6392	96.83	23.019	75.763	-0.6428327	-0.208810	0.0036
7211 9181239		96.87	22.793	74.961	-0.6804655	-0.112417	
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7211 9181339		97.09	21.849	71.781	-0.6710773	0.034665	
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7211 9181914	-0.5231	99.46	15.600	54.815	-0.5164320	0.976248	-0.0067
7211 9181929		99.61	15.288	54.085	-0.2917504	0.966518	
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7211 9182114	0.7236	100.75	13.041	49.035	0.7267993	0.190538	-0.0032
7211 9182129		100.93	12.712	48.322	0.7607459	0.107654	
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7211 9182214	0.7630	101.48	11.714	46.195	0.7695690	-0.071192	-0.0066
7211 9182232		101.70	11.321	45.372	0.7431950	-0.122951	
7211 9182249	0.7069	101.93	10.927	44.552	0.7043809	-0.163150	0.0025
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7211 9182339		102.60	9.790	42.221	0.5555645	-0.205801	
7211 9182354	0.5040	102.80	9.445	41.526	0.5083526	-0.203890	-0.0044
7211 9182424	0.4118	103.23	8.753	40.139	0.4136546	-0.208134	-0.0019
7211 9182439		103.44	8.405	39.448	0.3649259	-0.214294	
7211 9182454	0.3198	103.66	8.056	38.758	0.3145248	-0.222994	0.0053
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7211 9182539		104.34	7.003	36.697	0.1472787	-0.263543	
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7211 9182654	-0.1809	105.51	5.230	33.284	-0.1771549	-0.276350	-0.0037
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7211 91835 9		114.53	-6.571	11.056	0.0782455	0.301484	
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7211 91836 9		115.72	-7.961	8.343	0.3777852	0.342148	
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7211	91854 4	0.4745	135.74	-26.527	-44.824	0.4677838	-0.134582	0.0067
7211	9185434	0.3981	136.17	-26.779	-46.457	0.4006110	-0.143216	-0.0025
7211	9185449		136.38	-26.898	-47.276	0.3700852	-0.117828	
7211	91855 4	0.3462	136.58	-27.013	-48.096	0.3467420	-0.085490	-0.0005
7211	9185534	0.3167	136.99	-27.227	-49.741	0.3190603	-0.038326	-0.0024
7211	9185549		137.19	-27.327	-50.566	0.3120323	-0.023511	
7211	91856 4	0.3129	137.39	-27.422	-51.392	0.3076620	-0.015740	0.0052
7211	9185634	0.2934	137.77	-27.598	-53.047	0.2995585	-0.024844	-0.0062
7211	9185649		137.96	-27.678	-53.876	0.2920285	-0.041735	
7211	91857 4	0.2877	138.14	-27.754	-54.706	0.2801551	-0.060421	0.0075
7211	9185734	0.2379	138.50	-27.890	-56.370	0.2461056	-0.084015	-0.0082
7211	9185749		138.68	-27.950	-57.202	0.2260478	-0.088913	
7211	91858 4	0.2089	138.85	-28.006	-58.036	0.2054631	-0.088525	0.0034
7211	9185834	0.1728	139.18	-28.102	-59.705	0.1679873	-0.069840	0.0048
7211	9185849		139.34	-28.142	-60.541	0.1538568	-0.051531	
7211	91859 4	0.1361	139.50	-28.178	-61.377	0.1442093	-0.033015	-0.0081
7211	9185934	0.1398	139.81	-28.234	-63.049	0.1345443	-0.012537	0.0053
7211	9185949		139.96	-28.254	-63.886	0.1319806	-0.010586	
7211	919 0 4	0.1271	140.10	-28.269	-64.723	0.1295009	-0.010663	-0.0024
7211	919 034	0.1272	140.38	-28.284	-66.397	0.1253358	-0.006397	0.0019
7211	919 049		140.52	-28.284	-67.234	0.1243317	-0.002052	
7211	919 1 4	0.1226	140.65	-28.279	-68.071	0.1244716	0.003383	-0.0019
7211	919 134	0.1308	140.90	-28.254	-69.743	0.1289277	0.016396	0.0019
7211	919 149		141.02	-28.233	-70.579	0.1335761	0.023976	
7211	919 2 4	0.1371	141.14	-28.208	-71.415	0.1397881	0.028854	-0.0027
7211	919 234	0.1566	141.36	-28.142	-73.084	0.1520739	0.020296	0.0045
7211	919 249		141.47	-28.102	-73.917	0.1553262	0.006848	
7211	919 3 4	0.1480	141.57	-28.057	-74.750	0.1548682	-0.011407	-0.0069
7211	919 334	0.1473	141.76	-27.951	-76.413	0.1392645	-0.058547	0.0080
7211	919 349		141.85	-27.890	-77.243	0.1224749	-0.087437	
7211	919 4 4	0.0931	141.94	-27.825	-78.072	0.0985340	-0.121097	-0.0054
7211	919 434	0.0252	142.11	-27.680	-79.727	0.0238128	-0.206638	0.0014
7211	919 449		142.18	-27.600	-80.552	-0.0297863	-0.258530	
7211	919 5 4	-0.0978	142.26	-27.515	-81.376	-0.0950636	-0.304261	-0.0027
7211	919 534	-0.2405	142.39	-27.331	-83.021	-0.2468017	-0.340867	0.0063
7211	919 549		142.45	-27.232	-83.841	-0.3248206	-0.331706	
7211	919 6 4	-0.4001	142.51	-27.128	-84.659	-0.3989363	-0.309418	-0.0012
7211	919 634	-0.5330	142.61	-26.907	-86.291	-0.5271989	-0.240898	-0.0058
7211	919 7 2		142.69	-26.687	-87.781	-0.6108780	-0.150051	
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7211	919 824	-0.6557	142.86	-25.937	-92.213	-0.6508979	0.049177	-0.0048
7211	919 839		142.88	-25.786	-93.013	-0.6380280	0.061021	
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7211	919 924	-0.5851	142.91	-25.307	-95.399	-0.5841882	0.099105	-0.0009
7211	919 939		142.91	-25.139	-96.190	-0.5591814	0.117962	
7211	919 954	-0.5315	142.91	-24.967	-96.979	-0.5295541	0.139114	-0.0019
7211	9191024	-0.4495	142.89	-24.611	-98.550	-0.4547210	0.186100	0.0052
7211	9191039		142.88	-24.427	-99.332	-0.4087871	0.211937	
7211	9191054	-0.3605	142.86	-24.238	-100.112	-0.3560160	0.248980	-0.0045
7211	9191124	-0.2116	142.82	-23.850	-101.665	-0.2126853	0.385882	0.0011
7211	9191139		142.79	-23.650	-102.437	-0.1124319	0.485781	
7211	9191154	0.0101	142.75	-23.446	-103.208	0.0121077	0.592611	-0.0020
7211	9191224	0.3382	142.68	-23.028	-104.742	0.3313452	0.785739	0.0069
7211	9191239		142.63	-22.813	-105.505	0.5229104	0.872024	
7211	9191254	0.7249	142.58	-22.594	-106.266	0.7328327	0.944056	-0.0079
7211	9191324	1.1945	142.48	-22.146	-107.781	1.1903920	1.023772	0.0041
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721110	6 125	0.7560	96.62	28.227	100.623	0.7559915	0.218452	0.0000
721110	6 155	0.8312	96.43	28.129	98.874	0.8314307	0.121011	-0.0002
721110	6 210		96.34	28.072	98.000	0.8566610	0.100775	
721110	6 225	0.8795	96.26	28.010	97.128	0.8784691	0.087205	0.0010
721110	6 255	0.9075	96.10	27.868	95.385	0.9094238	0.043126	-0.0019
721110	6 310		96.02	27.789	94.516	0.9159657	0.012619	
721110	6 325	0.9166	95.95	27.705	93.647	0.9149602	-0.021636	0.0016
721110	6 355	0.8876	95.83	27.520	91.915	0.8881710	-0.095638	-0.0006
721110	6 410		95.77	27.420	91.051	0.8615447	-0.135385	
721110	6 425	0.8264	95.72	27.314	90.188	0.8256827	-0.174898	0.0007
721110	6 455	0.7259	95.63	27.087	88.468	0.7279457	-0.246951	-0.0020
721110	6 510		95.59	26.966	87.610	0.6671463	-0.279493	
721110	6 525	0.6018	95.55	26.839	86.755	0.5992944	-0.307015	0.0025
721110	6 555	0.4470	95.50	26.571	85.049	0.4490124	-0.338852	-0.0020
721110	6 610		95.48	26.429	84.200	0.3701540	-0.343172	
721110	6 625	0.2932	95.46	26.283	83.352	0.2907639	-0.345057	0.0024
721110	6 655	0.1257	95.44	25.975	81.663	0.1290455	-0.357415	-0.0033
721110	6 710		95.43	25.813	80.823	0.0453966	-0.367885	
721110	6 725	-0.0385	95.43	25.647	79.984	-0.0405483	-0.375081	0.0020
721110	6 755	-0.2107	95.44	25.300	78.314	-0.2119664	-0.361226	0.0013
721110	6 810		95.45	25.120	77.482	-0.2930941	-0.340181	
721110	6 825	-0.3713	95.47	24.935	76.653	-0.3678043	-0.303331	-0.0035
721110	6 855	-0.4758	95.52	24.552	75.003	-0.4788876	-0.163095	0.0031
721110	6 910		95.55	24.354	74.182	-0.5050284	-0.059720	
721110	6 925	-0.5076	95.58	24.151	73.363	-0.5073537	0.031979	-0.0002
721110	6 955	-0.4778	95.66	23.733	71.734	-0.4748066	0.078634	-0.0030
721110	61010		95.71	23.517	70.923	-0.4609762	0.033613	
721110	61025	-0.4587	95.76	23.297	70.115	-0.4617036	-0.042769	0.0030
721110	61055	-0.5258	95.87	22.846	68.508	-0.5259323	-0.246886	0.0001
721110	61110		95.94	22.614	67.708	-0.5973278	-0.374613	
721110	61125	-0.7005	96.01	22.379	66.911	-0.6978559	-0.488919	-0.0026
721110	61155	-0.9497	96.16	21.896	65.326	-0.9526354	-0.585440	0.0029
721110	61210		96.24	21.649	64.537	-1.0865587	-0.567678	
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721110	61255	-1.4041	96.50	20.886	62.188	-1.4039938	-0.299375	-0.0001
721110	61310		96.60	20.625	61.410	-1.4557701	-0.143753	
721110	61325	-1.4676	96.70	20.360	60.635	-1.4694130	0.024118	0.0018
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721110	61555	0.0655	97.94	17.538	53.036	0.0719487	1.004570	-0.0064

721110	61610		98.08	17.240	52.291	-0.2962267	0.930828	721110	63840	122.00	-13.709	-9.772	0.0032406	-0.371953			
721110	61625	0.5066	98.23	16.939	51.548	0.4993005	0.826027	0.0073	721110	63855	-0.0833	122.32	-14.027	-10.474	-0.0835153	-0.378857	0.0002
721110	61655	0.8244	98.54	16.330	50.069	0.8246526	0.573954	-0.0003	721110	63925	-0.2600	122.95	-14.654	-11.883	-0.2592293	-0.379363	-0.0008
721110	61710		98.70	16.021	49.334	0.9404052	0.426689		721110	63940		123.27	-14.965	-12.590	-0.3461358	-0.372946	
721110	61725	1.0204	98.86	15.710	48.601	1.0220702	0.285004	-0.0017	721110	63955	-0.4326	123.59	-15.273	-13.299	-0.4309602	-0.360671	-0.0016
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721110	61855	1.0702	99.92	13.797	44.250	1.0711074	-0.122020	-0.0009	721110	64125	-0.8128	125.47	-17.072	-17.591	-0.8102665	-0.161503	-0.0025
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721110	61925	0.9982	100.30	13.143	42.818	0.9994141	-0.185116	-0.0012	721110	64155	-0.8622	126.09	-17.652	-19.038	-0.8655897	-0.079767	0.0034
721110	61955	0.9036	100.70	12.481	41.393	0.9032615	-0.228093	0.0003	721110	64225	-0.8867	126.71	-18.220	-20.493	-0.8873782	-0.018671	0.0007
721110	62010		100.90	12.147	40.684	0.8489022	-0.242102		721110	64240		127.01	-18.500	-21.223	-0.8890975	0.002761	
721110	62025	0.7912	101.11	11.812	39.977	0.7916986	-0.253365	-0.0005	721110	64255	-0.8877	127.32	-18.777	-21.956	-0.8864778	0.019320	-0.0012
721110	62055	0.6718	101.53	11.136	38.568	0.6698002	-0.274358	0.0020	721110	64325	-0.8742	127.92	-19.322	-23.428	-0.8718975	0.041388	-0.0023
721110	62110		101.75	10.796	37.866	0.6053423	-0.284088		721110	64340		128.22	-19.590	-24.167	-0.8616378	0.046899	
721110	62125	0.5373	101.96	10.454	37.166	0.5386447	-0.293781	-0.0013	721110	64355	-0.8481	128.52	-19.855	-24.908	-0.8505588	0.048331	0.0025
721110	62155	0.3971	102.41	9.766	35.771	0.3983063	-0.314452	-0.0012	721110	64425	-0.8286	129.12	-20.376	-26.398	-0.8299983	0.037751	0.0014
721110	62210		102.64	9.420	35.077	0.3244681	-0.325431		721110	64440		129.41	-20.631	-27.146	-0.8225847	0.025742	
721110	62225	0.2500	102.87	9.073	34.383	0.2483631	-0.332478	0.0016	721110	64455	-0.8207	129.71	-20.883	-27.896	-0.8176994	0.019125	-0.0030
721110	62255	0.0963	103.34	8.376	33.001	0.0960817	-0.321673	0.0002	721110	64525	-0.8024	130.29	-21.377	-29.404	-0.8036991	0.051703	0.0013
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721110	62325	-0.0446	103.82	7.673	31.624	-0.0439471	-0.282852	-0.0007	721110	64555	-0.7613	130.86	-21.858	-30.921	-0.7606952	0.143599	-0.0006
721110	62355	-0.1667	104.32	6.967	30.252	-0.1659607	-0.247082	-0.0007	721110	64625	-0.6622	131.43	-22.324	-32.446	-0.6637319	0.284285	0.0015
721110	62410		104.57	6.613	29.569	-0.2212428	-0.232283		721110	64640		131.70	-22.552	-33.213	-0.5881894	0.372255	
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721110	62625	-0.2725	106.94	3.392	23.460	-0.2731017	0.195042	0.0006	721110	64855	0.4904	134.13	-24.429	-40.211	0.4906697	0.391122	-0.0003
721110	62655	-0.1759	107.49	2.671	22.111	-0.1764677	0.213907	0.0006	721110	64925	0.6298	134.64	-24.803	-41.790	0.6320126	0.216088	-0.0022
721110	62710		107.77	2.311	21.438	-0.1282387	0.201584		721110	64940		134.89	-24.983	-42.583	0.6706157	0.117139	
721110	62725	-0.0851	108.05	1.949	20.765	-0.0841129	0.180010	-0.0010	721110	64955	0.6884	135.14	-25.159	-43.378	0.6867121	0.026281	0.0017
721110	62755	-0.0128	108.62	1.227	19.421	-0.0131122	0.124906	0.0003	721110	65025	0.6717	135.63	-25.498	-44.974	0.6697534	-0.083842	0.0019
721110	62810		108.91	0.865	18.750	-0.0119250	0.091377		721110	65040		135.87	-25.662	-45.775	0.6477183	-0.103118	
721110	62825	0.0296	109.19	0.504	18.078	0.0293825	0.061861	0.0002	721110	65055	0.6195	136.11	-25.820	-46.578	0.6234097	-0.105962	-0.0039
721110	62855	0.0505	109.78	-0.219	16.737	0.0507958	0.038919	-0.0003	721110	65125	0.5811	136.58	-26.125	-48.190	0.5780340	-0.084595	0.0031
721110	62910		110.07	-0.580	16.067	0.0603055	0.045487		721110	65140		136.81	-26.270	-48.998	0.5611287	-0.060389	
721110	62925	0.0729	110.37	-0.941	15.396	0.0723110	0.058739	0.0006	721110	65155	0.5481	137.04	-26.411	-49.809	0.5501517	-0.036222	-0.0021
721110	62955	0.1052	110.97	-1.662	14.056	0.1062686	0.089257	-0.0011	721110	65225	0.5412	137.49	-26.678	-51.435	0.5396792	-0.015215	0.0015
721110	63010		111.27	-2.022	13.386	0.1288369	0.106522		721110	65240		137.70	-26.805	-52.250	0.5359785	-0.018369	
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721110	63055	0.2209	112.18	-3.100	11.374	0.2212487	0.160363	-0.0003	721110	65325	0.5112	138.35	-27.158	-54.706	0.5129921	-0.051273	-0.0018
721110	63110		112.48	-3.458	10.704	0.2603348	0.178322		721110	65340		138.55	-27.266	-55.528	0.4994325	-0.066584	
721110	63125	0.3032	112.79	-3.815	10.032	0.3034002	0.193982	-0.0002	721110	65355	0.4840	138.76	-27.369	-56.351	0.4823782	-0.080241	0.0016
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721110	63210		113.72	-4.884	8.017	0.4468133	0.213297		721110	65440		139.34	-27.650	-58.827	0.4211832	-0.088263	
721110	63225	0.4959	114.03	-5.239	7.344	0.4958692	0.211096	0.0000	721110	65455	0.4014	139.54	-27.734	-59.655	0.4015294	-0.081644	-0.0001
721110	63255	0.5901	114.66	-5.946	5.997	0.5904534	0.196343	-0.0004	721110	65525	0.3665	139.91	-27.886	-61.314	0.3680312	-0.062060	-0.0015
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721110	63325	0.6750	115.29	-6.649	4.647	0.6750895	0.168415	-0.0001	721110	65555	0.3468	140.27	-28.019	-62.976	0.3453065	-0.036892	0.0015
721110	63355	0.7456	115.92	-7.348	3.295	0.7445551	0.131040	0.0010	721110	65625	0.3327	140.61	-28.132	-64.642	0.3319475	-0.023407	0.0008
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721110	63610	0.6980	118.80	-10.433	-2.839	0.7004927	-0.197700	-0.0025	721110	65825	0.3006	141.84	-28.382	-71.325	0.3023255	-0.009634	-0.0017
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721110	71125	1.2785	143.75	-22.471	-113.316	-1.2783455	-0.342514	0.0002
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72111010 145	0.8758	96.09	27.844	95.255	0.8759000	0.016387	-0.0001
72111010 2 0		96.01	27.777	94.385	0.8761229	-0.017784	
72111010 215	0.8675	95.94	27.705	93.515	0.8670810	-0.059873	0.0004
72111010 245	0.8222	95.80	27.543	91.779	0.8222140	-0.131759	0.0000

72111010 3 0		95.73	27.455	90.913	0.7882807	-0.161557	
72111010 315	0.7447	95.67	27.361	90.049	0.7476513	-0.191030	-0.0030
72111010 345	0.6501	95.57	27.157	88.324	0.6439906	-0.260328	0.0061
72111010 4 0		95.52	27.047	87.464	0.5793663	-0.300152	
72111010 415	0.5026	95.48	26.932	86.605	0.5058088	-0.334875	-0.0032
72111010 445	0.3388	95.41	26.687	84.894	0.3425255	-0.363367	-0.0037
72111010 5 0		95.38	26.556	84.041	0.2591024	-0.357136	
72111010 515	0.1825	95.35	26.421	83.190	0.1778443	-0.348287	0.0047
72111010 545	0.0171	95.31	26.135	81.494	0.0165990	-0.355839	0.0005
72111010 6 0		95.30	25.985	80.649	-0.0672739	-0.372239	
72111010 615	-0.1570	95.29	25.830	79.806	-0.1550769	-0.386305	-0.0019
72111010 645	-0.3339	95.29	25.505	78.128	-0.3328708	-0.375173	-0.0010
72111010 7 0		95.30	25.335	77.292	-0.4168194	-0.349976	
72111010 715	-0.4933	95.31	25.161	76.459	-0.4930905	-0.307137	-0.0002
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72111010 8 0		95.36	24.611	73.973	-0.6267014	-0.045435	
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72111010 845	-0.5921	95.46	24.021	71.510	-0.5880159	-0.077659	-0.0041
72111010 9 0		95.50	23.816	70.694	-0.5765680	-0.012692	
72111010 915	-0.5799	95.54	23.606	69.881	-0.5841679	-0.078419	0.0043
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721110101130		96.14	21.538	62.684	-1.4193290	-0.415125	
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721110101530		98.02	17.160	50.432	-0.5009942	-0.669338	
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721110101615	0.8205	98.48	16.255	48.208	-0.8170209	-0.273201	0.0035
721110101630		98.65	15.949	47.472	-0.8690575	-0.180961	
721110101645	0.8995	98.81	15.640	46.738	-0.9017207	-0.103714	-0.0022
721110101715	0.9200	99.16	15.015	45.277	-0.9193715	-0.020528	0.0006
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721110101815	0.8237	99.89	13.739	42.383	-0.8246513	-0.167488	-0.0010
721110101830		100.08	13.414	41.665	-0.7833598	-0.189302	
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721110102015	0.3823	101.52	11.094	36.694	-0.3852525	-0.300778	-0.0030
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721110102515	-0.2791	106.44	4.111	22.916	-0.2793652	-0.247807	0.0003

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721110103225	0.6535	115.00	-6.124	3.623	0.6540520	0.143060	-0.0006	721110105425	0.4721	139.92	-27.612	-62.106	0.4724323	-0.058715
721110103240		115.31	-6.473	2.948	0.6853464	0.128032		721110105440		140.10	-27.687	-62.934	0.4600553	-0.048303
721110103255	0.7148	115.63	-6.822	2.271	0.7128713	0.109215	0.0019	721110105455	0.4509	140.28	-27.758	-63.763	0.4500761	-0.038603
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721110103340		116.59	-7.861	0.237	0.7569032	0.006335		721110105540		140.81	-27.940	-66.255	0.4294377	-0.024830
721110103355	0.7518	116.91	-8.205	-0.443	0.7531969	-0.037909	-0.0014	721110105555	0.4229	140.98	-27.990	-67.087	0.4237939	-0.024081
721110103425	0.7170	117.56	-8.889	-1.805	0.7170289	-0.116586	0.0000	721110105625	0.4140	141.30	-28.077	-68.753	0.4130146	-0.022624
721110103440		117.88	-9.229	-2.488	0.6860716	-0.151017		721110105640		141.46	-28.112	-69.587	0.4078728	-0.021916
721110103455	0.6497	118.20	-9.567	-3.172	0.6475419	-0.182432	0.0022	721110105655	0.3997	141.61	-28.143	-70.421	0.4028475	-0.021844
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721110135845	0.2365	96.60	28.283	101.603	0.2364956	0.247417	0.0000
7211101359 0		96.49	28.269	100.726	0.2925626	0.234550	
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72111014 0 0		96.06	28.157	97.220	0.4597557	0.122627	
72111014 015	0.4826	95.96	28.116	96.345	0.4844325	0.091298	-0.0018
72111014 045	0.5160	95.78	28.015	94.596	0.5125232	0.030890	0.0035
72111014 1 0		95.69	27.957	93.723	0.5162830	0.001810	
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72111014 245	0.3219	95.22	27.396	87.641	0.3204259	-0.251326	0.0015
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72111014 4 0		95.02	26.835	83.340	-0.0299980	-0.310280	
72111014 415	-0.1007	94.99	26.708	82.485	-0.1002563	-0.301476	-0.0004
72111014 445	-0.2508	94.94	26.437	80.781	-0.2442773	-0.333249	-0.0065
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72111014 545	-0.5840	94.91	25.837	77.398	-0.5927379	-0.336502	0.0087
72111014 6 0		94.91	25.674	76.558	-0.6603398	-0.242396	
72111014 615	-0.7119	94.92	25.507	75.720	-0.7040021	-0.139902	-0.0079
72111014 720		95.00	24.729	72.116	-0.7231784	0.026261	
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721110141225	-1.1828	96.47	20.029	55.873	-1.1854447	0.775523	0.0026
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721110141310		96.83	19.208	53.572	-0.5876399	0.917439	
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721110141655	0.5784	99.18	14.718	42.417	0.5817968	-0.142402	-0.0034
721110141710		99.37	14.399	41.692	0.5448674	-0.177490	
721110141725	0.5007	99.56	14.078	40.970	0.5002300	-0.207715	0.0005
721110141755	0.4000	99.95	13.430	39.532	0.3956375	-0.238865	0.0044
721110141810		100.15	13.103	38.816	0.3401905	-0.239781	
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721110142525		107.30	3.025	18.768	-0.3564588	0.109773	
721110143225	0.7257	115.90	-6.972	-0.059	0.7242461	0.000169	0.0015
721110143255	0.7090	116.55	-7.666	-1.414	0.7108851	-0.059194	-0.0019
721110143310		116.88	-8.012	-2.092	0.6935253	-0.091461	
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721110143355	0.5960	117.85	-9.041	-4.134	0.5978168	-0.182047	-0.0018
721110143410		118.18	-9.381	-4.817	0.5527077	-0.208358	
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721110143555	0.0931	120.46	-11.720	-9.628	0.0955063	-0.342350	-0.0024
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721110144110		127.20	-18.151	-24.524	-0.7994355	0.099832	
721110144125	-0.7755	127.50	-18.430	-25.254	-0.7746945	0.110888	-0.0008
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721110144435	-0.4050	131.29	-21.696	-34.692	-0.4001546	0.487973	-0.0048
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721110144620		133.26	-23.266	-40.062	0.4880035	0.450504	
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721110144720		134.33	-24.080	-43.179	0.7424484	0.089560	
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7211101450 5	0.5558	137.06	-25.978	-51.927	0.5556754	-0.049285	0.0002
721110145020		137.30	-26.124	-52.733	0.5432466	-0.058735	
721110145035	0.5272	137.52	-26.266	-53.542	0.5281806	-0.072307	-0.0010

7211101451 5	0.4882	137.97	-26.536	-55.165	0.4895841	-0.093593	-0.0014
721110145120		138.20	-26.664	-55.978	0.4670567	-0.101308	
721110145135	0.4461	138.41	-26.788	-56.794	0.4428852	-0.108067	0.0032
7211101452 5	0.3871	138.83	-27.021	-58.429	0.3898573	-0.121670	-0.0028
721110145220		139.04	-27.130	-59.249	0.3609886	-0.128514	
721110145235	0.3317	139.24	-27.235	-60.079	0.3306533	-0.133683	0.0010
721110145435		140.75	-27.897	-66.683	0.1248078	-0.053144	
721110145635	0.1099	142.03	-28.242	-73.348	0.1105542	-0.011306	-0.0007
7211101457 5	0.0989	142.31	-28.278	-75.017	0.0978494	-0.046795	0.0011
721110145720		142.45	-28.289	-75.852	0.0842961	-0.071425	
721110145735	0.0643	142.58	-28.294	-76.688	0.0644588	-0.101422	-0.0002
7211101458 5	-0.0002	142.84	-28.290	-78.358	0.0004959	-0.179739	-0.0007
721110145820		142.96	-28.280	-79.192	-0.0464425	-0.228053	
721110145835	-0.1049	143.07	-28.265	-80.027	-0.1047174	-0.275355	-0.0002
7211101459 5	-0.2478	143.29	-28.220	-81.694	-0.2492707	-0.345398	0.0015
721110145920		143.40	-28.190	-82.527	-0.3317653	-0.368147	
721110145935	-0.4196	143.50	-28.155	-83.360	-0.4186915	-0.383787	-0.0009
72111015 3 0		144.48	-27.185	-94.640	-1.3061233	0.009837	
72111015 625	-0.0479	144.68	-25.339	-105.635	-0.0491586	0.695836	0.0013
72111015 655	0.2821	144.65	-25.001	-107.213	0.2851274	0.750339	-0.0030
72111015 710		144.63	-24.825	-107.998	0.4610739	0.773202	
72111015 725	0.6439	144.59	-24.646	-108.782	0.6410632	0.782613	0.0028
72111015 755	0.9925	144.52	-24.275	-110.342	0.9938201	0.729553	-0.0013
72111015 810		144.49	-24.084	-111.118	1.1555179	0.667059	
72111015 825	1.3010	144.44	-23.888	-111.893	1.3007079	0.590455	0.0003
72111015 855	1.5356	144.34	-23.486	-113.434	1.5356108	0.424267	0.0000

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CONFAC = 1.083000

EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
721110175734	0.4550	96.55	28.235	101.522	0.4549945	0.170260	0.0000
7211101758 4	0.5508	96.30	28.226	99.768	0.5509495	0.219455	-0.0001
721110175819		96.18	28.213	98.891	0.5984752	0.185610	
721110175834	0.6362	96.06	28.195	98.014	0.6355245	0.137150	0.0007
7211101759 4	0.6802	95.84	28.141	96.261	0.6816608	0.069150	-0.0015
721110175919		95.74	28.106	95.385	0.6951908	0.049628	
721110175934	0.7067	95.65	28.066	94.510	0.7046731	0.031371	0.0020
72111018 0 4	0.7046	95.46	27.968	92.761	0.7068601	-0.026679	-0.0023
72111018 019		95.38	27.911	91.888	0.6962398	-0.066486	
72111018 034	0.6784	95.30	27.848	91.015	0.6760182	-0.108279	0.0024
72111018 1 4	0.6068	95.15	27.707	89.274	0.6084071	-0.182527	-0.0016
72111018 119		95.08	27.628	88.405	0.5624445	-0.214776	
72111018 134	0.5078	95.02	27.544	87.537	0.5095122	-0.242864	-0.0017
72111018 2 4	0.3933	94.90	27.359	85.805	0.3877023	-0.280857	0.0056

72111018 219		94.85	27.259	84.941	0.3215576	-0.290951	
72111018 234	0.2489	94.81	27.153	84.079	0.2535779	-0.298437	-0.0047
72111018 3 4	0.1117	94.73	26.927	82.359	0.1119365	-0.315649	-0.0002
72111018 319		94.70	26.805	81.502	0.0379275	-0.325376	
72111018 334	-0.0359	94.67	26.679	80.647	-0.0381367	-0.333215	0.0022
72111018 4 4	-0.1928	94.63	26.411	78.942	-0.1931700	-0.335385	0.0004
72111018 419		94.61	26.270	78.093	-0.2700592	-0.329706	
72111018 434	-0.3481	94.60	26.124	77.246	-0.3442695	-0.309459	-0.0038
72111018 5 4	-0.4594	94.60	25.816	75.557	-0.4645060	-0.194962	0.0051
72111018 519		94.60	25.655	74.717	-0.4991189	-0.100663	
72111018 534	-0.5135	94.61	25.489	73.878	-0.5111966	-0.008982	-0.0023
72111018 6 4	-0.4910	94.64	25.144	72.209	-0.4890147	0.085243	-0.0020
72111018 619		94.66	24.964	71.377	-0.4684675	0.087729	
72111018 634	-0.4496	94.69	24.780	70.549	-0.4506709	0.062134	0.0011
72111018 7 4	-0.4440	94.75	24.398	68.899	-0.4480434	-0.068376	0.0040
72111018 719		94.79	24.200	68.077	-0.4754469	-0.173342	
72111018 734	-0.5332	94.83	23.998	67.259	-0.5283422	-0.282037	-0.0049
72111018 8 4	-0.6973	94.93	23.581	65.630	-0.6986381	-0.443155	0.0013
72111018 819		94.99	23.366	64.819	-0.8073979	-0.495544	
72111018 834	-0.9268	95.05	23.147	64.011	-0.9249781	-0.516262	-0.0018
72111018 9 4	-1.1438	95.19	22.697	62.403	-1.1489397	-0.424282	0.0051
72111018 919		95.26	22.466	61.604	-1.2347620	-0.311497	
72111018 934	-1.2919	95.34	22.231	60.807	-1.2910211	-0.175965	-0.0009
7211101810 4	-1.3161	95.51	21.750	59.221	-1.3089961	0.098917	-0.0071
721110181019		95.60	21.504	58.432	-1.2700825	0.238270	
721110181034	-1.1978	95.70	21.254	57.646	-1.1991522	0.375804	0.0014
7211101811 4	-0.9534	95.90	20.744	56.082	-0.9646016	0.637202	0.0112
721110181119		96.01	20.484	55.305	-0.8030468	0.761058	
721110181134	-0.6164	96.12	20.220	54.530	-0.6155564	0.854981	-0.0008
7211101812 4	-0.2191	96.36	19.683	52.988	-0.2071049	0.877712	-0.0120
721110181219		96.49	19.409	52.221	-0.0115670	0.806413	
721110181234	0.1548	96.62	19.132	51.457	0.1632595	0.709714	-0.0085
7211101813 4	0.4650	96.89	18.570	49.937	0.4484860	0.528650	0.0165
721110181444		97.91	16.611	44.944	0.8661380	0.044766	
721110181624	0.6791	99.10	14.540	40.060	0.6963626	-0.224716	-0.0173
721110181654	0.5948	99.48	13.899	38.615	0.5841063	-0.257912	0.0107
7211101817 9		99.68	13.576	37.896	0.5234704	-0.266263	
721110181724	0.4713	99.89	13.250	37.179	0.4613069	-0.272950	0.0100
721110181754	0.3283	100.30	12.594	35.750	0.3310230	-0.292901	-0.0027
7211101818 9		100.52	12.262	35.039	0.2618867	-0.306169	
721110181824	0.1894	100.74	11.930	34.330	0.1899260	-0.316145	-0.0005
721110181854	0.0383	101.18	11.259	32.917	0.0440766	-0.309835	-0.0058
721110181944		101.95	10.128	30.578	-0.1666313	-0.221419	
721110182034	-0.2771	102.75	8.981	28.258	-0.2845562	-0.085554	0.0075
7211101821 4	-0.3068	103.25	8.287	26.874	-0.3054578	-0.005132	-0.0013
721110182119		103.50	7.938	26.184	-0.3020296	0.034785	
721110182134	-0.2954	103.76	7.588	25.496	-0.2893398	0.075540	-0.0061
7211101822 4	-0.2348	104.28	6.885	24.123	-0.2345795	0.162993	-0.0002
721110182219		104.54	6.532	23.438	-0.1915808	0.209694	
721110182234	-0.1335	104.81	6.179	22.755	-0.1384831	0.247188	0.0050
7211101823 4	-0.0196	105.35	5.470	21.391	-0.0179795	0.261294	-0.0016
721110182319		105.63	5.114	20.710	0.0400531	0.237866	
721110182334	0.0907	105.91	4.758	20.031	0.0909863	0.203298	-0.0003
7211101824 4	0.1660	106.47	4.044	18.675	0.1677908	0.128073	-0.0018
721110182419		106.75	3.686	17.998	0.1927129	0.087411	
721110182434	0.2112	107.04	3.328	17.322	0.2083991	0.049952	0.0028
7211101825 4	0.2170	107.62	2.611	15.972	0.2186564	0.000051	-0.0017
721110182519		107.91	2.251	15.298	0.2170726	0.012373	
721110182534	0.2149	108.20	1.892	14.624	0.2134737	-0.017929	0.0014
7211101826 4	0.2034	108.80	1.173	13.278	0.2055202	-0.012948	-0.0021
721110182619		109.10	0.814	12.606	0.2036443	-0.002402	
721110182634	0.2055	109.40	0.454	11.934	0.2048217	0.013503	0.0007
7211101827 4	0.2234	110.01	-0.264	10.591	0.2212985	0.061459	0.0021
721110182719		110.32	-0.624	9.920	0.2390911	0.093519	
721110182734	0.2628	110.63	-0.982	9.248	0.2644597	0.125455	-0.0017
7211101828 4	0.3328	111.25	-1.700	7.906	0.3341320	0.172653	-0.0013

721110182819		111.57	-2.058	7.235	0.3758753	0.187905		7211101851 4	0.4345	138.93	-26.785	-59.201	0.4350099	-0.118110	-0.0005
721110182834	0.4215	111.88	-2.415	6.564	0.4204406	0.197419	0.0011	721110185134	0.3890	139.35	-27.013	-60.836	0.3838272	-0.100433	0.0052
7211101829 4	0.5154	112.51	-3.129	5.222	0.5128123	0.198814	0.0026	721110185149		139.56	-27.120	-61.656	0.3623881	-0.084429	
721110182919		112.83	-3.495	4.550	0.5579033	0.190683		7211101852 4	0.3414	139.76	-27.223	-62.477	0.3448479	-0.068393	-0.0034
721110182934	0.5965	113.15	-3.841	3.878	0.6004760	0.177709	-0.0040	721110185234	0.3146	140.16	-27.412	-64.123	0.3181586	-0.050346	-0.0036
7211101830 4	0.6761	113.80	-4.550	2.533	0.6744695	0.140282	0.0016	721110185249		140.35	-27.500	-64.948	0.3068524	-0.048344	
721110183019		114.12	-4.904	1.860	0.7041169	0.115820		7211101853 4	0.3005	140.54	-27.583	-65.774	0.2956967	-0.048193	0.0048
721110183034	0.7292	114.44	-5.256	1.187	0.7276481	0.087496	0.0016	721110185334	0.2742	140.91	-27.734	-67.429	0.2740452	-0.044947	0.0002
7211101831 4	0.7494	115.10	-5.959	-0.162	0.7528310	0.018961	-0.0034	721110185349		141.09	-27.802	-68.257	0.2640034	-0.041849	
721110183119		115.42	-6.309	-0.837	0.7526421	-0.021257		7211101854 4	0.2536	141.26	-27.866	-69.087	0.2547444	-0.038485	-0.0011
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721110183219		116.73	-7.699	-3.545	0.6663235	-0.153582		7211101855 4	0.2256	141.93	-28.069	-72.413	0.2237861	-0.031175	0.0018
721110183234	0.6233	117.07	-8.043	-4.224	0.6281255	-0.177513	-0.0048	721110185534	0.2107	142.24	-28.140	-74.079	0.2072653	-0.042960	0.0034
7211101833 4	0.5407	117.73	-8.729	-5.585	0.5351635	-0.225141	0.0055	721110185549		142.40	-28.169	-74.913	0.1960695	-0.054635	
721110183334		118.39	-9.409	-6.950	0.4202614	-0.272436		7211101856 4	0.1768	142.54	-28.192	-75.747	0.1815594	-0.072599	-0.0048
7211101834 4	0.2804	119.05	-10.083	-8.319	0.2846187	-0.313200	-0.0042	721110185634	0.1363	142.82	-28.223	-77.415	0.1350277	-0.134815	0.0013
721110183434		119.71	-10.752	-9.693	0.1330078	-0.341304		721110185649		142.96	-28.232	-78.249	0.0989486	-0.179084	
7211101835 4	-0.0228	120.38	-11.414	-11.072	-0.0293731	-0.361925	0.0066	7211101857 4	0.0523	143.09	-28.235	-79.083	0.0521375	-0.226184	0.0002
721110183534	-0.2084	121.04	-12.068	-12.456	-0.2007933	-0.380291	-0.0076	721110185734	-0.0704	143.33	-28.226	-80.751	-0.0724211	-0.311397	0.0020
721110183549		121.37	-12.393	-13.151	-0.2895964	-0.388629		721110185749		143.46	-28.214	-81.585	-0.1487975	-0.349503	
7211101836 4	-0.3756	121.70	-12.716	-13.847	-0.3796824	-0.390047	0.0041	7211101858 4	-0.2369	143.57	-28.197	-82.419	-0.2330567	-0.378279	-0.0038
721110183634	-0.5535	122.36	-13.356	-15.243	-0.5532658	-0.353067	-0.0002	721110185834	-0.4093	143.79	-28.148	-84.084	-0.4125962	-0.389092	0.0033
721110183649		122.69	-13.673	-15.943	-0.6306266	-0.314644		721110185849		143.89	-28.116	-84.916	-0.5006809	-0.371100	
7211101837 4	-0.6995	123.02	-13.988	-16.645	-0.6980578	-0.269987	-0.0014	7211101859 4	-0.5838	143.99	-28.079	-85.747	-0.5831620	-0.343132	-0.0006
721110183734	-0.8015	123.67	-14.611	-18.055	-0.8024714	-0.182820	0.0010	721110185934	-0.7289	144.18	-27.990	-87.408	-0.7262906	-0.273968	-0.0026
721110183749		124.00	-14.920	-18.762	-0.8397714	-0.140312		721110185949		144.27	-27.938	-88.237	-0.7848912	-0.232765	
7211101838 4	-0.8672	124.32	-15.226	-19.471	-0.8672860	-0.098183	0.0001	72111019 0 4	-0.8299	144.34	-27.881	-89.065	-0.8337450	-0.191367	0.0038
721110183834	-0.8938	124.97	-15.831	-20.894	-0.8931264	-0.013721	-0.0007	72111019 034	-0.9075	144.50	-27.753	-90.718	-0.9050936	-0.120339	-0.0024
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7211101839 4	-0.8800	125.62	-16.427	-22.325	-0.8803441	0.065474	0.0003	72111019 1 4	-0.9475	144.63	-27.605	-92.367	-0.9471284	-0.063029	-0.0004
721110183934	-0.8385	126.26	-17.012	-23.764	-0.8389708	0.106473	0.0005	72111019 134	-0.9605	144.75	-27.438	-94.011	-0.9633745	-0.007269	0.0029
721110183949		126.58	-17.301	-24.486	-0.8136950	0.110588		72111019 149		144.81	-27.348	-94.831	-0.9618136	0.020805	
7211101840 4	-0.7890	126.89	-17.587	-25.210	-0.7884755	0.107412	-0.0005	72111019 2 4	-0.9572	144.86	-27.252	-95.649	-0.9538054	0.048462	-0.0034
721110184034	-0.7429	127.53	-18.151	-26.665	-0.7423202	0.090097	-0.0006	72111019 234	-0.9166	144.94	-27.047	-97.282	-0.9191418	0.101100	0.0025
721110184049		127.84	-18.429	-27.395	-0.7230751	0.075952		72111019 249		144.98	-26.937	-98.096	-0.8928906	0.126079	
7211101841 4	-0.7049	128.15	-18.704	-28.128	-0.7072217	0.062207	0.0023	72111019 3 4	-0.8638	145.01	-26.823	-98.908	-0.8606772	0.154439	-0.0031
721110184134	-0.6859	128.77	-19.245	-29.599	-0.6824626	0.048005	-0.0034	72111019 334	-0.7670	145.07	-26.581	-100.527	-0.7721183	0.234344	0.0051
721110184149		129.08	-19.511	-30.338	-0.6715130	0.047555		72111019 349		145.09	-26.453	-101.334	-0.7121906	0.285904	
7211101842 4	-0.6573	129.39	-19.774	-31.079	-0.6593714	0.061876	0.0021	72111019 4 4	-0.6454	145.10	-26.321	-102.140	-0.6397270	0.342705	-0.0057
721110184234	-0.6096	129.99	-20.290	-32.568	-0.6106565	0.165910	0.0011	72111019 434	-0.4499	145.12	-26.043	-103.744	-0.4537269	0.464958	0.0038
721110184249		130.29	-20.544	-33.316	-0.5624576	0.255674		72111019 449		145.13	-25.897	-104.544	-0.3388397	0.530417	
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721110184434	0.2118	132.35	-22.223	-38.612	0.2152374	0.563656	-0.0034	72111019 634	0.7159	145.03	-24.758	-110.082	0.7184777	0.649822	-0.0026
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7211101849 4	0.5995	137.10	-25.689	-52.724	0.6003197	-0.042945	-0.0008								
721110184934	0.5788	137.58	-25.990	-54.333	0.5766900	-0.062605	0.0021								
721110184949		137.81	-26.134	-55.140	0.5603593	-0.079612									
7211101850 4	0.5391	138.04	-26.273	-55.949	0.5399345	-0.096657	-0.0008								
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721110215729		95.83	28.301	97.667	0.5812644	0.134836	
721110215744	0.6088	95.71	28.288	96.789	0.6096186	0.110667	-0.0008
721110215814	0.6505	95.49	28.245	95.033	0.6490421	0.059484	0.0015
721110215829		95.38	28.215	94.156	0.6596736	0.032470	
721110215844	0.6629	95.28	28.180	93.279	0.6638631	0.003252	-0.0010
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721110215929		95.01	28.041	90.652	0.6303736	-0.105158	
721110215944	0.6025	94.92	27.984	89.778	0.6014786	-0.144539	0.0010
72111022 014	0.5187	94.77	27.852	88.032	0.5186613	-0.211633	0.0000
72111022 029		94.70	27.779	87.161	0.4665345	-0.239345	
72111022 044	0.4058	94.63	27.699	86.290	0.4086063	-0.261261	-0.0028
72111022 114	0.2878	94.51	27.525	84.554	0.2820187	-0.281981	0.0058
72111022 129		94.46	27.429	83.688	0.2169158	-0.280786	
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72111022 214	0.0236	94.33	27.111	81.099	0.0198388	-0.299737	0.0038
72111022 229		94.30	26.995	80.239	-0.0516847	-0.321206	
72111022 244	-0.1297	94.27	26.873	79.381	-0.1280126	-0.336917	-0.0017
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72111022 514	-0.4168	94.22	25.380	70.914	-0.4126616	0.108944	-0.0041
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721110221339		97.32	17.243	44.292	0.7217330	0.026457	
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721110225154	0.4306	140.58	-27.456	-65.939	-0.4277327
721110225224	0.4133	140.96	-27.630	-67.589	-0.4131952
721110225239	141.15	-27.710	-68.416	-0.4048510	-0.039945
721110225254	0.3940	141.34	-27.785	-69.243	-0.3947559
721110225324	0.3709	141.70	-27.920	-70.902	-0.3724384
721110225339	141.87	-27.980	-71.732	-0.3623225	-0.040004
721110225354	0.3560	142.04	-28.035	-72.563	-0.3539068
721110225424	0.3376	142.37	-28.130	-74.227	-0.3376956
721110225439	142.53	-28.170	-75.060	-0.3270577	-0.052790
721110225454	0.3115	142.68	-28.205	-75.893	-0.3127566
721110225524	0.2662	142.98	-28.260	-77.561	-0.2654036
721110225539	143.13	-28.280	-78.395	-0.2283344	-0.184162
721110225554	0.1806	143.27	-28.295	-79.229	-0.1801735
721110225624	0.0508	143.53	-28.309	-80.898	-0.0518638
721110225639	143.66	-28.309	-81.733	-0.0269017	-0.360574
721110225654	-0.1142	143.78	-28.304	-82.567	-0.1138431
721110225724	-0.2953	144.02	-28.278	-84.234	-0.2988215
721110225739	144.13	-28.258	-85.068	-0.3891988	-0.379906
721110225754	-0.4798	144.24	-28.232	-85.900	-0.4734602
721110225824	-0.6124	144.44	-28.166	-87.564	-0.6194626
721110225839	144.54	-28.126	-88.395	-0.6797038	-0.240755
721110225854	-0.7351	144.63	-28.081	-89.226	-0.7306370
721110225924	-0.8076	144.80	-27.975	-90.884	-0.8073071
721110225939	144.88	-27.915	-91.711	-0.8346758	-0.104428
721110225954	-0.8519	144.95	-27.850	-92.538	-0.8556640
72111023 024	-0.8837	145.09	-27.705	-94.188	-0.8790198
72111023 039	145.15	-27.625	-95.011	-0.8813837	0.003211

72111023 054	-0.8735	145.21	-27.540	-95.833	-0.8775310
72111023 124	-0.8535	145.31	-27.357	-97.472	-0.8508984
72111023 139	145.36	-27.258	-98.290	-0.8279483	0.113443
72111023 154	-0.7974	145.40	-27.155	-99.106	-0.7982832
72111023 224	-0.7133	145.46	-26.933	-100.733	-0.7137427
72111023 239	145.49	-26.816	-101.544	-0.6560346	0.275178
72111023 254	-0.5869	145.51	-26.694	-102.354	-0.5863661
72111023 324	-0.4084	145.55	-26.436	-103.967	-0.4079003
72111023 339	145.56	-26.300	-104.771	-0.2977648	0.508411
72111023 354	-0.1721	145.57	-26.160	-105.574	-0.1736881
72111023 424	0.1027	145.57	-25.867	-107.172	-0.1043284
72111023 439	145.56	-25.714	-107.968	-0.2509969	0.638124
72111023 454	0.3974	145.55	-25.556	-108.762	-0.3977786
72111023 524	0.6821	145.51	-25.229	-110.344	-0.6788497
72111023 539	145.49	-25.058	-111.131	-0.8065063	0.526871
72111023 554	0.9176	145.46	-24.884	-111.917	-0.9213799
72111023 624	1.1097	145.39	-24.524	-113.481	-1.1078978
72111023 644	145.34	-24.274	-114.520	-1.1968035	0.239033
72111023 7 4	1.2575	145.27	-24.018	-115.553	-1.2577795
72111023 744	1.3602	145.12	-23.485	-117.608	-1.3601897

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111.5645, 69.86490,
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TSTATE = 1844.506, 117.8249, -21.83142, 0.1044860,
-1.434416, -0.7730555,
LONEP = 999.0000
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DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
CM = 4902.780,
ERAD = 400919.7,
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ELON = -5.294952, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DTFIT = 0.2000000,
CONFAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
721111 556 0	0.7468	94.93	28.259	94.607	0.7467662	0.091770	0.0000
721111 557 0	0.7285	94.46	28.200	91.093	0.7294129	-0.108360	-0.0009
721111 55730	94.25	28.137	89.337	0.6659802	-0.161181		
721111 558 0	0.5873	94.06	28.051	87.583	0.5831775	-0.197152	0.0041
721111 559 0	0.3615	93.74	27.814	84.086	0.3702950	-0.262482	-0.0088
721111 55930	93.61	27.663	82.343	0.2422505	-0.291840		
721111 6 0 0	0.1143	93.49	27.490	80.605	0.1036803	-0.302622	0.0106
721111 6 030	93.39	27.295	78.872	-0.0318003	-0.278456		
721111 6 1 0	-0.1553	93.32	27.080	77.146	-0.1488397	-0.224430	-0.0065
721111 6 2 0	-0.2804	93.22	26.586	73.714	-0.2794960	-0.042056	-0.0009
721111 6 230	93.19	26.309	72.010	-0.2702380	0.086291		
721111 6 3 0	-0.2065	93.19	26.011	70.314	-0.2118650	0.136359	0.0054
721111 6 330	93.21	25.694	68.627	-0.1722344	0.005099		
721111 6 4 0	-0.2207	93.25	25.358	66.950	-0.2160640	-0.184040	-0.0046
721111 6 5 0	-0.4884	93.37	24.630	63.623	-0.4900027	-0.365596	0.0016
721111 6 530	93.46	24.239	61.976	-0.6595637	-0.358013		
721111 6 6 0	-0.8052	93.58	23.830	60.338	-0.8050541	-0.249554	-0.0001
721111 6 630	93.70	23.404	58.711	-0.8690354	-0.049416		
721111 6 7 0	-0.8039	93.85	22.962	57.095	-0.8058630	0.263962	0.0020
721111 6 8 0	-0.4137	94.20	22.029	53.897	-0.4083371	0.538611	-0.0054
721111 6 830	94.41	21.540	52.314	-0.1549643	0.544383		

721111	6 9 0	0.0909	94.63	21.036	50.742	0.0845098	0.486377	0.0064
721111	6 932		94.89	20.475	49.052	0.3027898	0.378546	
721111	610 5	0.4576	95.17	19.897	47.375	0.4609858	0.257511	-0.0034
721111	61110	0.6196	95.79	18.697	44.059	0.6211861	0.076336	-0.0016
721111	61140		96.10	18.123	42.546	0.6427847	0.020118	
721111	61210	0.6440	96.44	17.538	41.043	0.6392370	-0.039502	0.0048
721111	61240		96.78	16.943	39.550	0.6026069	-0.123204	
721111	61310	0.5221	97.15	16.336	38.067	0.5262519	-0.201837	-0.0042
721111	61410	0.3059	97.92	15.094	35.131	0.3041777	-0.256344	0.0017
721111	61440		98.33	14.460	33.677	0.1900853	-0.232227	
721111	61510	0.0929	98.76	13.816	32.232	0.0928261	-0.188120	0.0001
721111	61540		99.20	13.165	30.796	0.0172615	-0.138292	
721111	61610	-0.0351	99.66	12.506	29.368	-0.0341349	-0.083718	-0.0010
721111	61710	-0.0554	100.61	11.168	26.535	-0.0570047	0.036684	0.0016
721111	61740		101.10	10.489	25.130	-0.0250190	0.102512	
721111	61810	0.0326	101.61	9.804	23.732	0.0343898	0.147136	-0.0018
721111	61840		102.14	9.115	22.340	0.1037341	0.145588	
721111	61910	0.1654	102.67	8.420	20.955	0.1643745	0.115158	0.0010
721111	62010	0.2304	103.78	7.018	18.201	0.2301246	0.019529	0.0003
721111	62040		104.35	6.312	16.831	0.2245369	-0.045668	
721111	62110	0.1886	104.93	5.602	15.467	0.1899304	-0.098022	-0.0013
721111	62140		105.52	4.890	14.106	0.1397678	-0.113082	
721111	62210	0.0916	106.12	4.175	12.749	0.0894002	-0.102898	0.0022
721111	62310	0.0149	107.35	2.741	10.045	0.0180106	-0.042933	-0.0031
721111	62340		107.97	2.022	8.697	0.0091730	0.006045	
721111	62410	0.0295	108.61	1.303	7.351	0.0262640	0.069168	0.0032
721111	62440		109.25	0.583	6.007	0.0748633	0.143357	
721111	62510	0.1551	109.90	-0.136	4.664	0.1566915	0.204906	-0.0016
721111	62610	0.3616	111.22	-1.573	1.980	0.3626829	0.216493	-0.0011
721111	62640		111.89	-2.290	0.638	0.4525266	0.166539	
721111	62710	0.5159	112.57	-3.004	-0.704	0.5128373	0.093068	0.0031
721111	62740		113.25	-3.717	-2.046	0.5369495	0.009750	
721111	62810	0.5182	113.93	-4.427	-3.390	0.5222341	-0.070988	-0.0040
721111	62910	0.4024	115.31	-5.838	-6.083	0.3983317	-0.187364	0.0041
721111	62947		116.18	-6.713	-7.771	0.2769030	-0.229566	
721111	63025	0.1315	117.05	-7.580	-9.463	0.1349682	-0.253433	-0.0035
721111	631 2		117.92	-8.441	-11.161	-0.0284592	-0.304103	
721111	63140	-0.2119	118.80	-9.294	-12.864	-0.2140573	-0.334522	0.0022
721111	63240	-0.5241	120.20	-10.639	-15.603	-0.5245642	-0.326383	0.0005
721111	63310		120.90	-11.302	-16.980	-0.6689215	-0.296098	
721111	63340	-0.7957	121.61	-11.958	-18.362	-0.7937570	-0.238451	-0.0019
721111	63410		122.30	-12.607	-19.750	-0.8833726	-0.143583	
721111	63440	-0.9251	123.00	-13.249	-21.144	-0.9248040	-0.038786	-0.0003
721111	63540	-0.8781	124.39	-14.507	-23.950	-0.8825971	0.118610	0.0045
721111	63610		125.07	-15.124	-25.364	-0.8150290	0.171214	
721111	63640	-0.7368	125.76	-15.731	-26.784	-0.7304608	0.185105	-0.0063
721111	63710		126.44	-16.328	-28.212	-0.6533481	0.138962	
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721111	63840	-0.5308	128.45	-18.058	-32.542	-0.5331342	0.096701	0.0023
721111	63910		129.11	-18.613	-34.002	-0.4742314	0.165378	
721111	63940	-0.3816	129.76	-19.156	-35.470	-0.3758053	0.264091	-0.0058
721111	64010		130.41	-19.688	-36.946	-0.2275131	0.381462	
721111	64040	-0.0232	131.05	-20.206	-38.431	-0.0286301	0.465979	0.0054
721111	64140	0.3854	132.30	-21.205	-41.428	0.3887500	0.381801	-0.0033
721111	64210		132.91	-21.684	-42.940	0.5293216	0.213128	
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721111	64310		134.11	-22.600	-45.990	0.5914541	-0.013506	
721111	64340	0.5832	134.70	-23.036	-47.528	0.5820928	-0.012593	0.0011
721111	64440	0.5497	135.84	-23.862	-50.632	0.5538201	-0.030872	-0.0041
721111	64510		136.39	-24.252	-52.196	0.5410429	-0.023375	
721111	64540	0.5364	136.94	-24.625	-53.769	0.5312687	-0.022168	0.0051
721111	64610		137.47	-24.981	-55.351	0.5176160	-0.040182	
721111	64640	0.4915	137.99	-25.321	-56.940	0.4934180	-0.063052	-0.0019
721111	64740	0.4218	138.99	-25.949	-60.142	0.4243311	-0.080249	-0.0025
721111	64810		139.47	-26.236	-61.754	0.3882270	-0.074579	
721111	64840	0.3589	139.94	-26.505	-63.373	0.3562925	-0.063554	0.0026

721111	65035		141.60	-27.365	-69.636	0.2884071	-0.010236	
721111	65230	0.2471	143.05	-27.942	-75.969	0.2490756	-0.077246	-0.0020
721111	65330	0.1216	143.72	-28.128	-79.292	0.1196947	-0.214708	0.0019
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721111	655 0		144.60	-28.256	-84.288	-0.3382711	-0.373281	
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721111	65630	-0.7530	145.33	-28.205	-89.283	-0.7515019	-0.209080	-0.0015
721111	657 0		145.54	-28.147	-90.945	-0.8313487	-0.135222	
721111	65730	-0.8750	145.73	-28.070	-92.604	-0.8770781	-0.066026	0.0021
721111	658 0		145.90	-27.973	-94.261	-0.8952208	-0.015716	
721111	65830	-0.8935	146.06	-27.856	-95.914	-0.8922777	0.030124	-0.0012
721111	65930	-0.8118	146.32	-27.564	-99.207	-0.8114194	0.151647	-0.0004
721111	7 0 0		146.43	-27.390	-100.847	-0.7243187	0.227331	
721111	7 030	-0.5981	146.52	-27.196	-102.480	-0.5994574	0.316358	0.0014
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721111	7 130	-0.2135	146.64	-26.753	-105.729	-0.2122853	0.510985	-0.0012
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DIFIT = 0.2000000,
CONFAC = 1.083000
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721111 95719 0.5167 93.49 28.092 85.760 0.5161251 -0.224878 0.0006
721111 95749 93.32 27.987 84.007 0.4058889 -0.256318
721111 95819 0.2771 93.16 27.861 82.258 0.2796968 -0.286179 -0.0026
721111 95919 0.0208 92.91 27.542 78.772 0.0152449 -0.269684 0.0056
721111 95949 92.82 27.350 77.037 -0.0995514 -0.223317
72111110 019 -0.1924 92.74 27.137 75.309 -0.1853374 -0.140403 -0.0071
72111110 049 92.68 26.904 73.587 -0.2218365 -0.009746
72111110 119 -0.1920 92.64 26.649 71.872 -0.1977430 0.098842 0.0057
72111110 219 -0.1081 92.62 26.079 68.467 -0.1051006 0.040612 -0.0030
72111110 249 92.64 25.764 66.777 -0.1213380 -0.126250
72111110 319 -0.2195 92.68 25.430 65.097 -0.2205344 -0.285792 0.0010
72111110 349 92.74 25.077 63.426 -0.3688649 -0.338960
72111110 419 -0.5203 92.82 24.706 61.766 -0.5201013 -0.304957 -0.0002
72111110 519 -0.6974 93.03 23.910 58.475 -0.6971128 -0.033163 -0.0003
72111110 549 93.17 23.486 56.846 -0.6601332 0.204663
72111110 619 -0.5128 93.32 23.045 55.227 -0.5133041 0.409019 0.0005
72111110 649 93.49 22.588 53.620 -0.3031879 0.478623
72111110 719 -0.0837 93.69 22.115 52.023 -0.0834183 0.469894 -0.0003
72111110 929 94.73 19.898 45.235 0.6346672 0.179580

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721111101339	0.2132	97.66	14.980	32.746	0.2126071	-0.196821	0.0006
7211111014 9		98.09	14.343	31.294	0.1312118	-0.152215	
721111101439	0.0733	98.53	13.697	29.850	0.0739518	-0.095275	-0.0007
7211111015 9		98.99	13.043	28.415	0.0437913	-0.034773	
721111101539	0.0423	99.46	12.382	26.988	0.0413175	0.022339	0.0010
721111101639	0.1021	100.45	11.039	24.159	0.1035927	0.105683	-0.0015
7211111017 9		100.97	10.359	22.755	0.1588420	0.131911	
721111101739	0.2225	101.50	9.672	21.358	0.2204786	0.126206	0.0020
7211111018 9		102.04	8.981	19.967	0.2671290	0.066929	
721111101839	0.2768	102.59	8.284	18.583	0.2795936	-0.009830	-0.0028
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7211111020 9		104.32	6.171	14.463	0.1643742	-0.128671	
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721111102139	0.0001	106.15	4.031	10.383	-0.0001450	-0.082627	0.0002
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7211111024 9		109.38	0.435	3.644	0.1561145	0.217118	
721111102439	0.2589	110.05	-0.285	2.302	0.2607486	0.231416	-0.0018
721111102539	0.4677	111.41	-1.722	-0.381	0.4566249	0.173662	0.0111
7211111026 9		112.09	-2.439	-1.722	0.5212812	0.101596	
721111102639	0.5403	112.79	-3.154	-3.064	0.5488020	0.018880	-0.0085
721111102834		115.48	-5.870	-8.218	0.3465092	-0.229219	
721111103029	-0.1713	118.22	-8.531	-13.407	-0.1762900	-0.331195	0.0050
721111103129	-0.4797	119.66	-9.891	-16.135	-0.4770124	-0.311881	-0.0027
721111103159		120.37	-10.561	-17.506	-0.6149458	-0.283574	
721111103229	-0.7384	121.09	-11.226	-18.881	-0.7348154	-0.229027	-0.0036
721111103259		121.81	-11.883	-20.262	-0.8202568	-0.134431	
721111103329	-0.8546	122.52	-12.534	-21.649	-0.8570521	-0.027543	0.0025
721111103429	-0.7968	123.95	-13.812	-24.439	-0.8004473	0.139840	0.0036
721111103459		124.65	-14.438	-25.845	-0.7213262	0.200335	
721111103529	-0.6286	125.36	-15.056	-27.256	-0.6221156	-0.217618	-0.0065
721111103559		126.06	-15.664	-28.675	-0.5313070	0.163938	
721111103629	-0.4705	126.75	-16.263	-30.101	-0.4729487	0.095917	0.0024
721111103729	-0.3966	128.13	-17.431	-32.976	-0.4016443	0.086715	0.0050
721111103759		128.81	-17.999	-34.426	-0.3496582	0.145535	
721111103829	-0.2719	129.48	-18.555	-35.884	-0.2631473	0.231098	-0.0088
7211111039 2		130.20	-19.145	-37.472	-0.1217429	0.336453	
721111103934	0.0744	130.92	-19.721	-39.071	0.0678154	0.408360	0.0066
721111104039	0.4527	132.32	-20.829	-42.299	0.4548924	0.312185	-0.0022
7211111041 9		132.95	-21.319	-43.803	0.5664906	0.159835	
721111104139	0.6040	133.58	-21.795	-45.315	0.6049012	0.023153	-0.0009
7211111042 9		134.19	-22.258	-46.837	0.6031655	-0.014091	
721111104239	0.6009	134.79	-22.706	-48.367	0.5992047	-0.033807	0.0017
721111104339	0.5989	135.97	-23.557	-51.454	0.6004204	0.003491	-0.0015
7211111044 9		136.54	-23.960	-53.011	0.6015127	0.000503	
721111104439	0.6016	137.11	-24.346	-54.577	0.5997216	-0.010047	0.0019
7211111045 9		137.65	-24.717	-56.151	0.5905871	-0.031303	
721111104539	0.5679	138.19	-25.070	-57.733	0.5706460	-0.053685	-0.0027
721111104639	0.5115	139.23	-25.726	-60.920	0.5095046	-0.073117	0.0020
721111104834		141.07	-26.785	-67.112	0.4123985	-0.015926	
721111105029	0.4192	142.70	-27.571	-73.392	0.4214555	-0.012411	-0.0023
721111105059		143.09	-27.729	-75.043	0.4077561	-0.049560	
721111105129	0.3759	143.46	-27.868	-76.696	0.3733768	-0.101763	0.0025
721111105229	0.2164	144.16	-28.087	-80.014	0.2157491	-0.249228	0.0007
721111105259		144.49	-28.166	-81.676	0.0792472	-0.344491	
721111105329	-0.1001	144.80	-28.226	-83.339	-0.0970696	-0.405506	-0.0030
721111105359		145.09	-28.265	-85.004	-0.2824310	-0.383672	
721111105429	-0.4427	145.37	-28.284	-86.669	-0.4450592	-0.321044	0.0024
721111105529	-0.6853	145.87	-28.263	-89.998	-0.6850278	-0.199569	-0.0003
721111105559		146.09	-28.222	-91.661	-0.7635320	-0.140722	
721111105629	-0.8164	146.30	-28.161	-93.322	-0.8154634	-0.085115	-0.0009

721111105659		146.48	-28.080	-94.980	-0.8429268	-0.034726	
721111105729	-0.8469	146.65	-27.980	-96.635	-0.8473713	0.016682	0.0005
721111105829	-0.7759	146.94	-27.720	-99.934	-0.7766786	0.141277	0.0008
721111105859		147.06	-27.561	-101.577	-0.6948386	0.214464	
721111105929	-0.5789	147.16	-27.383	-103.214	-0.5773860	0.295872	-0.0015
721111105959		147.24	-27.186	-104.846	-0.4202285	0.386465	
72111111 029	-0.2226	147.30	-26.970	-106.472	-0.2238838	0.455324	0.0013
72111111 129	0.2028	147.37	-26.484	-109.703	0.2034042	0.435079	-0.0006
72111111 159		147.38	-26.214	-111.308	0.3857286	0.345975	
72111111 229	0.5194	147.37	-25.926	-112.905	0.5192645	0.233483	0.0001
72111111 259		147.34	-25.621	-114.494	0.6022221	0.126870	
72111111 329	0.6403	147.30	-25.298	-116.075	0.6403061	0.045566	0.0000
72111111 429	0.6555	147.15	-24.604	-119.211	0.6554998	0.017169	0.0000

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ERAD = 399806.2
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DTEIT = 0.2000000
CONFAC = 1.083000
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7211111135649	0.5863	92.87	28.068	83.346	0.5860098	0.087210	0.0003
7211111135749	0.2781	92.55	27.829	79.843	0.2859375	-0.535296	-0.0078
7211111135819		92.43	27.677	78.098	0.0601739	-0.392376	
7211111135849	-0.0262	92.32	27.503	76.357	-0.0610889	-0.150296	0.0349
7211111135949	-0.1508	92.16	27.091	72.894	-0.0889769	0.020204	-0.0618
721111114 019		92.11	26.853	71.172	-0.0921395	-0.051324	
721111114 049	-0.0991	92.08	26.594	69.458	-0.1414740	-0.155983	0.0424
721111114 229		92.12	25.588	63.804	-0.4916769	-0.228217	
721111114 4 9	-0.7090	92.38	24.370	58.254	-0.6854642	0.008410	-0.0235
721111114 5 9	-0.5639	92.65	23.544	54.980	-0.5748807	0.242646	0.0110
721111114 539		92.81	23.106	53.359	-0.4304738	0.385731	
721111114 6 9	-0.2103	92.99	22.651	51.749	-0.2291331	0.461159	0.0188
721111114 639		93.19	22.180	50.150	-0.0281395	0.384003	
721111114 7 9	0.0976	93.40	21.695	48.562	0.1172724	0.253710	-0.0197
721111114 8 9	0.2829	93.90	20.679	45.421	0.2810688	0.131927	0.0018
721111114 839		94.17	20.151	43.866	0.3421732	0.140460	
721111114 9 9	0.4168	94.47	19.609	42.323	0.4073285	0.126675	0.0095
721111114 939		94.78	19.054	40.791	0.4451395	0.021943	
72111111410 9	0.4155	95.11	18.487	39.270	0.4239368	-0.106590	-0.0084
72111111411 9	0.2554	95.82	17.318	36.259	0.2534572	-0.233806	0.0019
7211111141139		96.20	16.717	34.769	0.1441427	-0.232469	
72111111412 9	0.0456	96.59	16.106	33.289	0.0425355	-0.206877	0.0031
7211111141239		97.01	15.485	31.819	-0.0460739	-0.176062	
72111111413 9	-0.1247	97.44	14.855	30.358	-0.1185471	-0.135574	-0.0062
72111111414 9	-0.1823	98.35	13.569	27.465	-0.1911048	-0.012156	0.0088
7211111141439		98.82	12.913	26.031	-0.1781147	0.070780	
72111111415 9	-0.1373	99.32	12.251	24.605	-0.1294666	0.129599	-0.0078
7211111141539		99.82	11.581	23.188	-0.0680409	0.126069	

7211111416	9	-0.0170	100.34	10.906	21.777	-0.0179392	0.090815	0.0009
7211111417	9	0.0354	101.43	9.536	18.979	-0.0321764	0.017004	0.0032
7211111418	9	0.0354	103.34	7.210	14.369	-0.0422698	-0.115779	
7211111420	29	-0.2462	105.39	4.845	9.818	-0.2392161	-0.029980	-0.0070
721111142059			106.03	4.130	8.461	-0.2609881	-0.006186	
721111142129		-0.2346	106.67	3.413	7.108	-0.2434331	0.080321	0.0088
721111142229		-0.1035	107.99	1.975	4.410	-0.1017550	0.218902	-0.0017
721111142259			108.66	1.255	3.064	0.0117702	0.270976	
721111142329		0.1396	109.34	0.535	1.720	0.1439332	0.293675	-0.0043
721111142359			110.03	-0.185	0.377	0.2756634	0.269101	
721111142429		0.3926	110.73	-0.904	-0.964	0.3875788	0.213130	0.0050
721111142529		0.5125	112.13	-2.339	-3.647	0.5159740	0.054627	-0.0035
721111142559			112.84	-3.054	-4.988	0.5181229	-0.047905	
721111142629		0.4778	113.56	-3.767	-6.331	0.4756420	-0.125086	0.0022
721111142659			114.28	-4.477	-7.674	0.4128147	-0.136045	
721111142729		0.3520	115.00	-5.184	-9.019	0.3530452	-0.127368	-0.0010
721111142854			117.07	-7.168	-12.842	0.1303651	-0.249137	
721111143019		-0.2673	119.15	-9.116	-16.689	-0.2681940	-0.300892	0.0009
721111143049			119.89	-9.793	-18.054	-0.3933812	-0.234088	
721111143119		-0.4820	120.63	-10.465	-19.424	-0.4808260	-0.144478	-0.0012
721111143219		-0.5296	122.09	-11.788	-22.178	-0.5302214	0.038279	0.0006
721111143319		-0.4088	123.56	-13.082	-24.954	-0.4086752	0.225781	-0.0001

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DTFIT = 0.20000000
CONFAC = 1.083000
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721111175340	0.5016	93.22	28.379	90.332	0.5015685	-0.094171	0.0000
721111175440	0.3255	92.71	28.369	86.806	0.3263510	-0.251265	-0.0009
721111175510		92.49	28.330	85.043	0.2079228	-0.253115	
721111175540	0.0994	92.28	28.268	83.282	0.0955646	-0.235909	0.0038
721111175640	-0.1284	91.93	28.078	79.765	-0.1204014	-0.240556	-0.0080
721111175710		91.79	27.949	78.012	-0.2360355	-0.262421	
721111175740	-0.3480	91.66	27.798	76.263	-0.3534603	-0.224187	0.0055
721111175810		91.56	27.626	74.519	-0.4225090	-0.052637	
721111175840	-0.3874	91.47	27.431	72.781	-0.4008384	-0.127075	0.0134
721111175940	-0.2778	91.36	26.979	69.324	-0.2433681	0.136118	-0.0344
72111118 010		91.34	26.722	67.606	-0.2154445	-0.034664	
72111118 040	-0.2515	91.33	26.444	65.896	-0.2768934	-0.215507	0.0254
72111118 220		91.47	25.374	60.261	-0.6734102	-0.120828	
72111118 4 0	-0.4969	91.82	24.095	54.736	-0.4820525	0.299082	-0.0148
72111118 5 0	-0.1637	92.15	23.234	51.478	-0.1715460	0.348105	0.0078
72111118 530		92.34	22.778	49.866	-0.0168876	0.315533	
72111118 6 0	0.1274	92.55	22.307	48.264	0.1179190	0.270706	0.0095
72111118 630		92.78	21.821	46.674	0.2351558	0.239421	
72111118 7 0	0.3309	93.03	21.319	45.096	0.3389613	0.207942	-0.0081

72111118 8 0	0.4814	93.58	20.274	41.972	0.4868933	0.103191	-0.0055
72111118 830		93.89	19.731	40.427	0.5181562	0.029918	
72111118 9 0	0.5258	94.21	19.174	38.894	0.5129130	-0.053787	0.0129
72111118 930		94.56	18.606	37.371	0.4674242	-0.144426	
7211111810 0	0.3741	94.92	18.026	35.859	0.3819599	-0.219442	-0.0079
7211111811 0	0.1480	95.69	16.892	32.866	0.1512002	-0.254930	-0.0032
721111181130		96.10	16.219	31.385	0.0411594	-0.215403	
7211111812 0	-0.0352	96.53	15.596	29.914	-0.0439583	-0.151596	0.0088
721111181230		96.98	14.964	28.453	-0.0972211	-0.077408	
7211111813 0	-0.1191	97.44	14.323	27.001	-0.1158193	-0.005724	-0.0033
7211111814 0	-0.0792	98.41	13.017	24.124	-0.0714888	0.091486	-0.0077
721111181430		98.92	12.352	22.698	-0.0227674	0.117011	
7211111815 0	0.0445	99.44	11.681	21.280	0.0312357	0.107975	0.0133
721111181530		99.98	11.003	19.870	0.0686634	0.045206	
7211111816 0	0.0614	100.53	10.319	18.467	0.0704381	-0.034062	-0.0090
7211111817 0	-0.0096	101.67	8.935	15.682	-0.0118685	-0.130390	0.0023
721111181855		104.00	6.232	10.409	-0.2457945	-0.083167	
721111182050	-0.1990	106.50	3.485	5.205	-0.1997172	0.144655	0.0007
721111182120		107.17	2.764	3.855	-0.1171924	0.213396	
721111182150	-0.0053	107.85	2.042	2.508	-0.0052521	0.265458	0.0000
721111182250	0.2452	109.24	0.597	-0.179	0.2479358	0.258156	-0.0027
721111182320		109.94	-0.125	-1.520	0.248554	0.198755	
721111182350	0.4329	110.66	-0.847	-2.861	0.4283118	0.118902	0.0046
721111182420		111.38	-1.568	-4.201	0.4640399	0.035199	
721111182450	0.4577	112.10	-2.287	-5.540	0.4616421	-0.043199	-0.0039
721111182550	0.3669	113.56	-3.720	-8.221	0.3647989	-0.157000	0.0021
721111182620		114.30	-4.433	-9.563	0.2835735	-0.192390	
721111182650	0.1871	115.04	-5.142	-10.907	0.1876400	-0.224647	-0.0005
721111182720		115.79	-5.849	-12.252	0.0748852	-0.265041	
721111182750	-0.0573	116.53	-6.551	-13.600	-0.0564000	-0.301002	-0.0009
721111182850	-0.3468	118.03	-7.944	-16.303	-0.3492900	-0.322097	0.0025
721111182920		118.79	-8.633	-17.660	-0.4952484	-0.307214	
721111182950	-0.6311	119.54	-9.317	-19.021	-0.6282849	-0.261930	-0.0028
721111183020		120.29	-9.995	-20.385	-0.7303347	-0.172724	
721111183050	-0.7848	121.05	-10.667	-21.755	-0.7851354	-0.066288	0.0003
721111183150	-0.7544	122.55	-11.991	-24.509	-0.7581086	0.118597	0.0037
721111183220		123.30	-12.642	-25.894	-0.6848697	0.197038	
721111183250	-0.5876	124.04	-13.286	-27.285	-0.5819259	0.238152	-0.0057
721111183320		124.78	-13.922	-28.682	-0.4750109	0.214009	
721111183350	-0.3852	125.52	-14.549	-30.086	-0.3886892	0.161418	0.0035
721111183450	-0.2784	126.99	-15.776	-32.914	-0.2792239	0.081248	0.0008
721111183520		127.71	-16.376	-34.339	-0.2483913	0.053678	
721111183550	-0.2275	128.43	-16.965	-35.772	-0.2236435	0.065108	-0.0039
721111183620		129.15	-17.544	-37.212	-0.1774439	0.146543	
721111183650	-0.0822	129.85	-18.113	-38.660	-0.0871710	0.235537	0.0050
721111183750	0.1484	131.25	-19.215	-41.582	0.1538157	0.250113	-0.0054
721111183820		131.93	-19.748	-43.055	0.2542187	0.175640	
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721111183950	0.3642	133.93	-21.272	-47.528	0.3663417	0.034222	-0.0021
721111184050	0.3905	135.22	-22.220	-50.555	0.3925632	0.029178	-0.0021
721111184120		135.85	-22.673	-52.081	0.4085062	0.041522	
721111184150	0.4341	136.47	-23.111	-53.617	0.4294298	0.044305	0.0047
721111184220		137.08	-23.534	-55.161	0.4449459	0.018053	
721111184250	0.4405	137.67	-23.941	-56.714	0.4450202	-0.015246	-0.0045
721111184350	0.4194	138.82	-24.708	-59.846	0.4162585	-0.037107	0.0031
721111184420		139.38	-25.067	-61.424	0.4011928	-0.025654	
721111184450	0.3916	139.92	-25.409	-63.011	0.3931083	-0.010690	-0.0015
721111184520		140.45	-25.734	-64.605	0.3901105	-0.003608	
721111184550	0.3880	140.97	-26.041	-66.207	0.3892663	0.000163	-0.0013
721111184650	0.3992	141.96	-26.601	-69.433	0.3942724	0.011530	0.0049
721111184720		142.43	-26.854	-71.055	0.4013017	0.019126	
721111184750	0.4037	142.89	-27.089	-72.684	0.4099331	0.013732	-0.0062
721111184820		143.33	-27.304	-74.319	0.4097818	-0.018934	
721111184850	0.3929	143.76	-27.500	-75.959	0.3898474	-0.068557	0.0031
7211111850 5	0.2278	144.76	-27.907	-80.079	0.2262414	-0.221907	0.0016

721111185042		145.22	-28.064	-82.148	0.0719982	-0.314276	
721111185120	-0.1323	145.65	-28.190	-84.221	-0.1278574	-0.361800	-0.0044
721111185150		145.98	-28.269	-85.882	-0.2895365	-0.327739	
721111185220	-0.4216	146.29	-28.327	-87.545	-0.4257057	-0.262605	0.0041
721111185320	-0.6114	146.85	-28.384	-90.873	-0.6106833	-0.137986	-0.0013
721111185350		147.11	-28.382	-92.537	-0.6599820	-0.078503	
721111185420	-0.6838	147.35	-28.360	-94.200	-0.6833700	-0.024261	-0.0004
721111185450		147.57	-28.318	-95.861	-0.6836862	0.021468	
721111185520	-0.6633	147.77	-28.257	-97.521	-0.6633323	0.068636	0.0000
721111185620	-0.5427	148.12	-28.073	-100.832	-0.5440463	0.197380	0.0013
721111185650		148.26	-27.952	-102.482	-0.4345088	0.278967	
721111185720	-0.2893	148.39	-27.811	-104.129	-0.2871726	0.355999	-0.0021
721111185750		148.49	-27.651	-105.770	-0.1089255	0.412560	
721111185820	0.0906	148.59	-27.472	-107.406	0.0888487	0.437191	0.0018
721111185920	0.4678	148.71	-27.057	-110.661	0.4686205	0.356514	-0.0008
721111185950		148.73	-26.822	-112.278	0.6105994	0.251164	
72111119 020	0.6998	148.75	-26.568	-113.889	0.6996183	0.139737	0.0002
72111119 120	0.7592	148.72	-26.008	-117.088	0.7592067	0.010050	0.0000

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HEADER = 'APOLLO 15 REV 5614

EPOCH = 721101202, 1841427,

JEPOCH = 72, 11, 12, 2, 18,

STATE = 41, 1858.153, 1.6191671E-02, 151.8323, 174.9237

109.0174, 61.10010

ICORD = 1,

ISTATE = 1833.446, 117.1185, 149.3353, 0.1769891

-1.439782, -0.7595497

LONEP = 999.0000

REFEP = 6*0,

DUTSEC = 0.0000000E+00,

TRANS A = 0.0000000E+00,

TRANS B = 0.0000000E+00,

GM = 4902.780

ERAD = 397947.0

ELAT = -2.078974, 2*0.0000000E+00,

ELON = -6.198273, 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DITFIT = 0.2000000

CONFAC = 1.083000

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EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz	
721112 15040	0.6359	92.91	27.970	92.544	0.6359197	-0.055353	0.0000	
721112 15140	0.5024	92.27	28.113	89.031	0.5018671	-0.213563	0.0005	
721112 15210		91.98	28.152	87.271	0.3949160	-0.244425		
721112 15240	0.2768	91.71	28.167	85.509	0.2791942	-0.255661	-0.0024	
721112 15340	0.0452	91.23	28.131	81.985	0.0403951	-0.256847	0.0048	
721112 15410		91.02	28.080	80.224	-0.0761305	-0.246798		
721112 15440	-0.1827	90.83	28.006	78.464	-0.1838632	-0.213197	0.0012	
721112 15510		90.66	27.910	76.707	-0.2668360	-0.139603		
721112 15540	-0.3280	90.51	27.791	74.953	-0.3112947	-0.056467	-0.0167	
721112 15640	-0.2933	90.28	27.489	71.457	-0.3092279	0.046967	0.0159	
721112 15855		90.07	26.495	63.677	-0.2144545	-0.026402		
721112 2 110	-0.3394	90.29	25.090	56.057	-0.3159126	0.048978	-0.0235	
721112 2 140		90.39	24.725	54.309	-0.2681936	0.163694		
721112 2 210	-0.1324	90.52	24.343	52.732	-0.1663596	0.268006	0.0340	
721112 2 310	0.1056	90.84	23.524	49.449	0.1165944	0.307232	-0.0110	
721112 2 340		91.03	23.090	47.823	0.2455790	0.242163		
721112 2 410	0.3315	91.25	22.639	46.209	0.3416454	0.186520	-0.0101	
721112 2 440		91.48	22.172	44.606	0.4293965	0.206199		
721112 2 510	0.5438	91.73	21.690	43.014	0.5331385	0.232995	0.0107	
721112 2 610	0.7049	92.30	20.681	39.863	0.7072154	0.103334	-0.0023	
721112 2 640		92.61	20.156	38.304	0.7211591	-0.053104		
721112 2 710	0.6556	92.94	19.617	36.757	0.6504499	-0.207743	-0.0028	

721112 2 740		93.29	19.066	35.221	0.5393056	-0.297644		
721112 2 810	0.3933	93.66	18.502	33.893	0.3914014	-0.336927	0.0019	
721112 2 910	0.0851	94.46	17.339	30.676	0.0833938	-0.305857	0.0017	
721112 2 940		94.88	16.742	29.182	-0.0429715	-0.235518		
721112 21010	-0.1317	95.33	16.133	27.698	-0.1301303	-0.139580	-0.0016	
721112 21040		95.79	15.515	26.224	-0.1696118	-0.029031		
721112 21110	-0.1624	96.26	14.888	24.760	-0.1585617	0.070917	-0.0038	
721112 21210	-0.0345	97.27	13.608	21.858	-0.0394347	0.163203	0.0049	
721112 21410		99.47	10.956	16.157	0.1233110	-0.082577		
721112 21610	-0.2698	101.90	8.208	10.573	-0.2617136	-0.193955	-0.0081	
721112 21640		102.54	7.509	9.192	-0.3293164	-0.090152		
721112 21710	-0.3314	103.19	6.807	7.817	-0.3432822	0.024485	0.0119	
721112 21810	-0.2536	104.52	5.392	5.081	-0.2482587	0.160650	-0.0053	
721112 21840		105.21	4.681	3.720	-0.1679312	0.182190		
721112 21910	-0.0832	105.91	3.968	2.362	-0.0823264	0.188614	-0.0009	
721112 21940		106.61	3.253	1.008	0.0065949	0.196627		
721112 22010	0.0996	107.32	2.537	-0.344	0.0981800	0.197607	0.0014	
721112 22110	0.2659	108.78	1.102	-3.039	0.2655479	0.155010	0.0004	
721112 22140		109.52	0.385	-4.304	0.3276200	0.111436		
721112 22210	0.3664	110.26	-0.332	-5.728	0.3665496	0.055572	-0.0001	
721112 22240		111.02	-1.049	-7.071	0.3774438	-0.009993		
721112 22310	0.3522	111.78	-1.764	-8.413	0.3571368	-0.076741	-0.0049	
721112 22410	0.2453	113.31	-3.189	-11.098	0.2325858	-0.188125	0.0127	
721112 22440		114.08	-3.899	-12.441	0.1351531	-0.232764		
721112 22510	0.0043	114.86	-4.605	-13.786	0.0171969	-0.280400	-0.0129	
721112 22540		115.64	-5.309	-15.132	-0.1258056	-0.341367		
721112 22610	-0.2993	116.42	-6.009	-16.480	-0.2948872	-0.382033	-0.0044	
721112 22710	-0.6021	117.99	-7.397	-19.183	-0.6270602	-0.301483	0.0250	
721112 22740		118.78	-8.084	-20.539	-0.7403369	-0.180286		
721112 22810	-0.8112	119.57	-8.766	-21.898	-0.7918279	-0.048084	-0.0194	
721112 230 0		122.46	-11.219	-26.918	-0.6339353	0.162958		
721112 23150	-0.3724	125.33	-13.579	-32.007	-0.3841007	0.118819	0.0117	
721112 23250	-0.3062	126.87	-14.821	-34.816	-0.2992992	0.060877	-0.0069	
721112 23320		127.63	-15.428	-36.231	-0.2797199	0.022937		
721112 23350	-0.2818	128.39	-16.027	-37.653	-0.2740352	0.011529	-0.0078	
721112 23420		129.14	-16.615	-39.083	-0.2599878	0.059169		
721112 23450	-0.2082	129.89	-17.193	-40.519	-0.2175613	0.118823	0.0094	
721112 23550	-0.0925	131.36	-18.317	-43.417	-0.0904084	0.133283	-0.0021	
721112 23620		132.08	-18.862	-44.877	-0.0379615	0.088068		
721112 23650	-0.0100	132.80	-19.395	-46.346	-0.0077271	0.051689	-0.0023	
721112 23720		133.51	-19.916	-47.823	0.0178642	0.067935		
721112 23750	0.0584	134.20	-20.424	-49.309	0.0575755	0.100919	0.0008	
721112 23850	0.1639	135.57	-21.402	-52.306	0.1605904	0.109445	0.0033	
721112 23920		136.23	-21.870	-53.818	0.2062127	0.084980		
721112 23950	0.2328	136.89	-22.325	-55.339	0.2381905	0.054867	-0.0054	
721112 24020		137.53	-22.764	-56.868	0.2580798	0.032593		
721112 24050	0.2728	138.17	-23.189	-58.405	0.2694064	0.018114	0.0033	
721112 24150	0.2820	139.39	-23.993	-61.506	0.2811753	0.012362	0.0008	
721112 24220		139.99	-24.372	-63.070	0.2886811	0.021093		
721112 24250	0.2983	140.57	-24.733	-64.641	0.3008920	0.030803	-0.0025	
721112 24320		141.13	-25.079	-66.220	0.3161548	0.034736		
721112 24350	0.3321	141.68	-25.407	-67.807	0.3323186	0.035048	-0.0002	
721112 245 5	0.3750	143.00	-26.153	-71.807	0.3704071	0.029428	0.0046	
721112 24542		143.62	-26.484	-73.823	0.3857004	0.023108		
721112 24620	0.3828	144.22	-26.786	-75.848	0.3903041	-0.018751	-0.0075	
721112 24650		144.68	-27.007	-77.475	0.3641113	-0.102081		
721112 24720	0.2996	145.12	-27.210	-79.108	0.2944120	-0.186069	0.0052	
721112 24820	0.0527	145.96	-27.557	-82.387	0.0512484	-0.315377	0.0015	
721112 24850		146.35	-27.702	-84.033	-0.1011089	-0.349688		
721112 24920	-0.2636	146.72	-27.828	-85.682	-0.2581340	-0.332188	-0.0055	
721112 24950		147.08	-27.934	-87.334	-0.4009451	-0.278957		
721112 25020	-0.5089	147.42	-28.020	-88.988	-0.5130014	-0.288086	0.0041	
721112 25120	-0.6501	148.04	-28.134	-92.301	-0.6498514	-0.094617	-0.0082	
721112 25150		148.32	-28.160	-93.959	-0.6833416	-0.052021		
721112 25220	-0.7001	148.58	-28.167	-95.617	-0.6983686	-0.012496	-0.0017	
721112 25250		148.83	-28.155	-97.274	-0.6943676	0.030343		

721112	25320	-0.6694	149.05	-28.122	-98.930	-0.6693854	0.079421	0.0000
721112	25420	-0.5372	149.45	-27.998	-102.237	-0.5408309	0.205155	0.0036
721112	25450		149.62	-27.906	-103.887	-0.4287623	0.281814	
721112	25520	-0.2895	149.76	-27.795	-105.533	-0.2838456	0.337507	-0.0057
721112	25550		149.89	-27.664	-107.175	-0.1249831	0.342104	
721112	25620	0.0306	150.00	-27.515	-108.813	0.0259561	0.307163	0.0046
721112	25720	0.2450	150.16	-27.158	-112.074	0.2471757	0.153348	-0.0022
721112	25750		150.21	-26.952	-113.695	0.2916110	0.034464	
721112	25820	0.2816	150.23	-26.728	-115.311	0.2811182	-0.070691	0.0005
721112	25920	0.1784	150.23	-26.225	-118.522	0.1784178	-0.114825	0.0000

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JEPOCH = 72, 11, 12, 6, 17,

STATE = 16, 1858.150, 1.6531890E-02, 151.7524, 172.3269

107.7294, 59.45880

ICORD = 1,

TSTATE = 1828.267, 116.7852, 193.3358, 0.1950884

-1.441639, -0.7536126

LONEP = 999.0000

REFEP = 6*

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TRANSA = 0.0000000E+00,

TRANSB = 0.0000000E+00,

GM = 4902.780

ERAD = 397272.9

ELAT = -2.258399, 2*0.0000000E+00,

ELON = -6.362061, 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DUTIT = 0.2000000

CONFAC = 1.083000

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EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz	
721112	54839	0.5361	93.18	27.649	95.396	0.5360875	-0.016310	0.0000
721112	54939	0.4789	92.44	27.931	91.903	0.4792367	-0.111725	-0.0003
721112	5509		92.09	28.038	90.149	0.4143873	-0.170444	
721112	55039	0.3244	91.77	28.124	88.391	0.3228790	-0.222497	0.0015
721112	55139	0.0884	91.18	28.228	84.068	0.0916584	-0.264535	-0.0033
721112	5529		90.92	28.247	83.103	-0.0289497	-0.254524	
721112	55239	-0.1383	90.68	28.242	81.338	-0.1425432	-0.239217	0.0042
721112	5539		90.46	28.216	79.573	-0.2513874	-0.234008	
721112	55339	-0.3600	90.36	28.166	77.809	-0.3561629	-0.212854	-0.0038
721112	55439	-0.4852	89.93	28.000	74.286	-0.4879487	-0.044607	0.0027
721112	5559		89.79	27.884	72.529	-0.4762057	0.102476	
721112	55539	-0.4023	89.68	27.745	70.776	-0.4008224	0.200812	-0.0015
721112	5569		89.58	27.585	69.028	-0.3122523	0.159650	
721112	55639	-0.2634	89.51	27.402	67.284	-0.2627237	0.057974	-0.0007
721112	55739	-0.2796	89.44	26.974	63.816	-0.2831722	-0.089951	0.0036
721112	5589		89.43	26.728	62.093	-0.3360849	-0.136203	
721112	55839	-0.4072	89.45	26.461	60.377	-0.4013365	-0.133063	-0.0059
721112	5599		89.49	26.174	58.669	-0.4465933	-0.049617	
721112	55939	-0.4356	89.55	25.867	56.971	-0.4433201	0.059346	0.0076
721112	6039	-0.3285	89.73	25.196	53.601	-0.3193728	0.189378	-0.0091
721112	619		89.86	24.832	51.931	-0.2259546	0.210453	
721112	6139	-0.1189	90.01	24.449	50.271	-0.1266257	0.221278	0.0077
721112	6217		90.22	23.946	48.211	0.0078770	0.247166	
721112	6254	0.1543	90.47	23.416	46.168	0.1571610	0.265291	-0.0029
721112	649	0.4410	91.06	22.279	42.134	0.4448829	0.213769	-0.0039
721112	6439		91.33	21.796	40.540	0.5319704	0.160396	
721112	659	0.5949	91.63	21.299	38.957	0.5869631	0.067898	0.0079
721112	6539		91.94	20.787	37.386	0.5855143	-0.084091	
721112	669	0.5048	92.27	20.261	35.826	0.5887623	-0.239641	-0.0040
721112	679	0.1960	93.00	19.170	32.739	0.2083364	-0.393465	-0.0043

721112	6739		93.39	18.606	31.212	0.0170715	-0.391752	
721112	689	-0.1441	93.80	18.029	29.696	-0.1520249	-0.329178	0.0079
721112	6839		94.23	17.442	28.191	-0.2762198	-0.197319	
721112	699	-0.3330	94.68	16.843	26.696	-0.3313345	-0.046736	-0.0017
721112	6109	-0.2795	95.63	15.615	23.737	-0.2697919	0.158787	-0.0097
721112	61039		96.13	14.987	22.272	-0.1825781	0.213734	
721112	6119	-0.0649	96.65	14.350	20.816	-0.0799153	0.220085	0.0150
721112	61139		97.18	13.704	19.370	0.0105882	0.161114	
721112	6129	0.0566	97.73	13.051	17.932	0.0645678	0.074330	-0.0080
721112	6139	0.0581	98.88	11.722	15.082	0.0635354	-0.070092	-0.0054
721112	61339		99.47	11.048	13.669	0.0174988	-0.127732	
721112	6149	-0.0373	100.08	10.367	12.263	-0.0504420	-0.159592	0.0131
721112	61439		100.70	9.682	10.864	-0.1234197	-0.149591	
721112	6159	-0.1942	101.34	8.990	9.472	-0.1839810	-0.109786	-0.0102
721112	6169	-0.2272	102.65	7.595	6.706	-0.2294850	0.023055	0.0023
721112	61639		103.33	6.891	5.332	-0.1980503	0.116086	
721112	6179	-0.1231	104.01	6.184	3.962	-0.1262704	0.183267	0.0032
721112	61739		104.71	5.474	2.597	-0.0395200	0.180983	
721112	6189	0.0322	105.42	4.761	1.237	0.0368396	0.152695	-0.0046
721112	6199	0.1750	106.86	3.330	-1.473	0.1705142	0.148478	0.0045
721112	61939		107.60	2.612	-2.823	0.2439434	0.172545	
721112	6209	0.3267	108.34	1.894	-4.171	0.3273487	0.180447	-0.0006
721112	62039		109.09	1.175	-5.516	0.4029015	0.138572	
721112	6219	0.4448	109.85	0.456	-6.860	0.4517143	0.073407	-0.0069
721112	6229	0.4694	111.39	-0.981	-9.543	0.4627878	-0.047281	0.0066
721112	62444		115.46	-4.664	-16.473	0.0320124	-0.299616	
721112	62719	-0.6276	119.61	-8.262	-23.444	0.6177926	-0.113270	-0.0098
721112	62749		120.42	-8.945	-24.803	0.6417945	0.014244	
721112	62819	-0.5920	121.23	-9.622	-26.165	0.6058339	0.134035	0.0138
721112	62919	-0.4221	122.83	-10.957	-28.903	0.4200089	0.238412	-0.0021
721112	62949		123.63	-11.615	-30.279	0.3117590	0.222985	
721112	63019	-0.2265	124.43	-12.266	-31.660	0.2184651	0.179271	-0.0080
721112	63049		125.22	-12.910	-33.047	0.1480000	0.124047	
721112	63119	-0.0972	126.01	-13.545	-34.440	0.1034405	0.071955	0.0062
721112	63219	-0.0650	127.58	-14.791	-37.245	0.0659746	0.021034	0.0010
721112	63249		128.36	-15.401	-38.657	0.0566752	0.022209	
721112	63319	-0.0488	129.13	-16.002	-40.077	0.0438225	0.034079	-0.0050
721112	63349		129.89	-16.592	-41.504	0.0246483	0.049585	
721112	63419	0.0046	130.65	-17.172	-42.938	0.0019403	0.064954	0.0027
721112	63519	0.0746	132.14	-18.301	-45.830	0.0719009	0.083977	0.0027
721112	63549		132.87	-18.849	-47.280	0.1116678	0.087631	
721112	63619	0.1476	133.59	-19.384	-48.754	0.1531975	0.093763	-0.0056
721112	63649		134.31	-19.908	-50.229	0.1996090	0.108757	
721112	63719	0.2568	135.01	-20.419	-51.712	0.2531026	0.120397	0.0037
721112	63819	0.3588	136.39	-21.402	-54.705	0.3582519	0.096977	0.0005
721112	63849		137.06	-21.873	-56.214	0.3955316	0.061913	
721112	63919	0.4127	137.72	-22.330	-57.732	0.4159063	0.029998	-0.0032
721112	63949		138.37	-22.772	-59.259	0.4265931	0.019938	
721112	64019	0.4391	139.01	-23.200	-60.794	0.4360422	0.021092	0.0031
721112	64119	0.4555	140.24	-24.009	-63.891	0.4571926	0.025097	-0.0017
721112	64149		140.83	-24.391	-65.452	0.4694169	0.027949	
721112	64219	0.4842	141.42	-24.755	-67.021	0.4833220	0.032895	0.0009
721112	64252		142.03	-25.132	-68.730	0.5019594	0.042341	
721112	64324	0.5237	142.63	-25.489	-70.448	0.5246134	0.045416	-0.0009
721112	64429	0.5540	143.77	-26.141	-73.910	0.5532861	0.000581	0.0007
721112	64459		145.45	-27.018	-79.570	0.4035742	-0.215447	
721112	64759	-0.0818	146.92	-27.665	-85.297	0.0807970	-0.316015	-0.0010
721112	64829		147.30	-27.806	-86.943	-0.2172979	-0.269752	
721112	64859	-0.3262	147.66	-27.928	-88.592	-0.3277082	-0.209353	0.0015
721112	64959	-0.4716	148.33	-28.114	-91.899	-0.4706854	-0.103724	-0.0009
721112	65029		148.64	-28.177	-93.555	-0.5079376	-0.058495	
721112	65059	-0.5244	148.93	-28.220	-95.212	-0.5250585	-0.015612	0.0007
721112	65129		149.19	-28.243	-96.870	-0.5222974	0.027634	
721112	65159	-0.5007	149.44	-28.247	-98.527	-0.4988796	0.075186	-0.0018
721112	65259	-0.3729	149.88	-28.194	-101.840	-0.3766660	0.195026	0.0038
721112	65329		150.07	-28.138	-103.494	-0.2702562	0.267315	

721112 65359 -0.1372 150.24 -28.062 -105.146 -0.1324718 0.322487 -0.0047
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 721112 65459 0.1752 150.52 -27.851 -108.440 0.1714652 0.311779 0.0037
 721112 65559 0.4040 150.72 -27.564 -111.718 0.4057462 0.175871 -0.0017
 721112 65629 150.78 -27.391 -113.350 0.4621139 0.063363
 721112 65659 0.4661 150.83 -27.200 -114.976 0.4657134 -0.039656 0.0004
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ROTR = 8.9400001E-03,

DYFIT = 0.2000000

CONFAC = 1.083000

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72111210 240	0.3280	90.16	23.103	42.950	0.3279815	0.233598	0.0000
72111210 340	0.5308	90.68	22.178	39.732	0.5312986	0.153476	-0.0005
72111210 410		90.98	21.692	38.140	0.5682943	-0.006560	
72111210 440	0.5247	91.29	21.191	36.559	0.5224498	-0.184823	0.0023
72111210 540	0.2292	91.98	20.146	33.431	0.2339701	-0.411060	-0.0048
72111210 610		92.36	19.604	31.884	0.0314258	-0.459012	
72111210 640	-0.1736	92.75	19.049	30.348	-0.1786652	-0.434205	0.0051
72111210 710		93.17	18.481	28.823	-0.3537855	-0.307307	
72111210 740	-0.4561	93.60	17.902	27.309	-0.4558420	-0.137583	-0.0003
72111210 840	-0.4512	94.52	16.711	24.313	-0.4437751	0.152809	-0.0074
72111210 910		95.01	16.099	22.830	-0.3447308	0.273470	
72111210 940	-0.1899	95.52	15.478	21.358	-0.2006586	0.333131	0.0108
721112101010		96.04	14.847	19.894	-0.0533809	0.287194	
721112101040	0.0517	96.58	14.208	18.441	0.0568239	0.191173	-0.0051
721112101140	0.1453	97.71	12.905	15.560	0.1505030	0.015344	-0.0052
721112101210		98.30	12.242	14.133	0.1389546	-0.064463	
721112101240	0.1047	98.90	11.573	12.713	0.0935743	-0.127451	0.0111
721112101310		99.52	10.897	11.302	0.0256043	-0.162259	
721112101340	-0.0602	100.16	10.215	9.897	-0.0513573	-0.165287	-0.0088
721112101440	-0.1660	101.46	8.836	7.109	-0.1686841	-0.065269	0.0027
721112101510		102.14	8.139	5.725	-0.1763882	0.037794	
721112101540	-0.1355	102.82	7.438	4.346	-0.1371607	0.118985	0.0017
721112101610		103.52	6.733	2.973	-0.0786861	0.121114	
721112101640	-0.0331	104.23	6.025	1.605	-0.0298799	0.093656	-0.0032
721112101740	0.0565	105.67	4.601	-1.118	0.0526779	0.098432	0.0038
721112101810		106.41	3.886	-2.474	0.1048064	0.130678	
721112101840	0.1692	107.16	3.169	-3.826	0.1728788	0.159938	-0.0037
721112101910		107.92	2.451	-5.175	0.2485090	0.163340	
721112101940	0.3221	108.69	1.733	-6.522	0.3201758	0.143832	0.0019
721112102040	0.4139	110.24	0.295	-9.209	0.4134670	0.044929	0.0004
721112102118		111.22	-0.603	-10.886	0.4113562	-0.057443	
721112102155	0.3452	112.22	-1.500	-12.562	0.3469621	-0.160920	-0.0018
721112102233		113.22	-2.394	-14.237	0.2311804	-0.235469	

721112102310	0.0831	114.23	-3.285	-15.912	0.0806311	-0.281724	0.0025
721112102410	-0.1955	115.85	-4.703	-18.596	-0.1925938	-0.298298	-0.0029
721112102440		116.67	-5.408	-19.940	-0.3268006	-0.280069	
721112102510	-0.4447	117.49	-6.109	-21.286	-0.4472828	-0.236383	0.0026
721112102540		118.31	-6.805	-22.634	-0.5399435	-0.159430	
721112102610	-0.5936	119.13	-7.498	-23.984	-0.5924281	-0.069008	-0.0012
721112102710	-0.5803	120.77	-8.869	-26.696	-0.5794088	0.093021	-0.0009
721112102740		121.59	-9.546	-28.057	-0.5196850	0.164624	
721112102810	-0.4294	122.41	-10.217	-29.422	-0.4313328	0.210712	0.0019
721112102840		123.23	-10.882	-30.792	-0.3320018	0.212081	
721112102910	-0.2408	124.04	-11.541	-32.167	-0.2398213	0.185397	-0.0010
721112103010	-0.1065	125.66	-12.837	-34.932	-0.1055349	0.097879	-0.0010
721112103040		126.47	-13.473	-36.324	-0.0739482	0.037040	
721112103110	-0.0671	127.27	-14.101	-37.721	-0.0690164	-0.008771	0.0019
721112103140		128.06	-14.720	-39.125	-0.0756759	-0.013169	
721112103210	-0.0789	128.85	-15.331	-40.536	-0.0780339	0.002859	-0.0009
721112103310	-0.0624	130.41	-16.524	-43.378	-0.0612047	0.033214	-0.0012
721112103340		131.18	-17.105	-44.810	-0.0425388	0.047542	
721112103410	-0.0143	131.94	-17.676	-46.251	-0.0165956	0.066496	0.0023
721112103440		132.69	-18.236	-47.698	0.0203766	0.095287	
721112103510	0.0695	133.43	-18.784	-49.154	0.0710271	0.121742	-0.0015
721112103610	0.1921	134.89	-19.846	-52.091	0.1922570	0.131179	-0.0002
721112103640		135.60	-20.358	-53.572	0.2494544	0.114154	
721112103710	0.2977	136.31	-20.858	-55.062	0.2965401	0.089827	0.0012
721112103740		137.00	-21.344	-56.560	0.3323765	0.065378	
721112103810	0.3565	137.68	-21.817	-58.067	0.3574092	0.044177	-0.0009
721112103910	0.3858	139.00	-22.719	-61.108	0.3857371	0.021583	0.0001
721112103940		139.65	-23.149	-62.641	0.3951277	0.020193	
721112104010	0.4059	140.28	-23.563	-64.182	0.4049153	0.022266	0.0010
721112104040		140.89	-23.962	-65.733	0.4157374	0.024663	
721112104110	0.4253	141.49	-24.345	-67.291	0.4276332	0.026704	-0.0023
721112104225	0.4634	142.93	-25.231	-71.224	0.4594136	0.027289	0.0040
7211121043 3		143.62	-25.635	-73.208	0.4746272	0.025161	
721112104340	0.4770	144.27	-26.011	-75.204	0.4821417	-0.009787	-0.0051
721112104410		144.78	-26.293	-76.809	0.4620979	-0.083865	
721112104440	0.4053	145.27	-26.556	-78.420	0.4026961	-0.171035	0.0026
721112104540	0.1833	146.21	-27.028	-81.662	0.1801783	-0.301093	0.0031
721112104610		146.65	-27.236	-83.291	0.0306839	-0.343975	
721112104640	-0.1385	147.07	-27.425	-84.925	-0.1320624	-0.351961	-0.0064
721112104710		147.48	-27.595	-86.564	-0.2858339	-0.304924	
721112104740	-0.4051	147.86	-27.746	-88.207	-0.4100070	-0.234393	0.0049
721112104840	-0.5710	148.58	-27.989	-91.503	-0.5699261	-0.117329	-0.0011
721112104910		148.91	-28.081	-93.155	-0.6130511	-0.070800	
721112104940	-0.6372	149.22	-28.154	-94.809	-0.6360136	-0.028885	-0.0012
721112105010		149.51	-28.207	-96.464	-0.6399015	0.011845	
721112105040	-0.6239	149.78	-28.239	-98.121	-0.6244132	0.056905	0.0005
721112105140	-0.5181	150.26	-28.245	-101.433	-0.5196115	0.176683	0.0015
721112105210		150.48	-28.219	-103.089	-0.4211596	0.251406	
721112105240	-0.2924	150.67	-28.172	-104.742	-0.2897121	0.311616	-0.0027
721112105310		150.84	-28.106	-106.394	-0.1394037	0.332959	
721112105340	0.0146	150.99	-28.020	-108.043	0.0123471	0.319330	0.0023
721112105440	0.2601	151.23	-27.790	-111.332	0.2611596	0.198890	-0.0011
721112105510		151.32	-27.646	-112.970	0.3295272	0.092064	
721112105540	0.3473	151.38	-27.483	-114.603	0.3470623	-0.009005	0.0002
721112105610		151.43	-27.301	-116.231	0.3277494	-0.067557	
721112105640	0.2885	151.46	-27.100	-117.854	0.2885106	-0.101254	0.0000
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 DTFIT = 0.2000000
 CONFAC = 1.083000
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7211121347 0	0.4896	92.00	27.482	92.928	0.4895593	0.059588	0.0000	
7211121348 0	0.4149	91.23	27.806	89.440	0.4159989	-0.176940	-0.0011	
721112134830		90.88	27.936	87.687	0.3263899	-0.200751		
7211121349 0	0.2398	90.55	28.043	85.931	0.2348433	-0.197206	0.0050	
7211121350 0	0.0367	89.95	28.191	82.406	0.0471271	-0.214894	-0.0104	
721112135030		89.68	28.231	80.641	-0.0566687	-0.236126		
7211121351 0	-0.1548	89.44	28.248	78.873	-0.1662966	-0.227429	0.0115	
721112135132		89.20	28.242	76.958	-0.2618089	-0.141117		
7211121352 5	-0.3077	88.98	28.209	75.043	-0.3028912	-0.027357	-0.0048	
721112135310	-0.2516	88.62	28.063	71.217	-0.2456038	0.125226	-0.0060	
721112135340		88.50	27.960	69.456	-0.1784895	0.161926		
721112135410	-0.0924	88.39	27.835	67.698	-0.1038698	0.148065	0.0115	
721112135440		88.31	27.688	65.943	-0.0540632	0.054363		
721112135510	-0.0604	88.25	27.519	64.194	-0.0558004	-0.053221	-0.0046	
721112135610	-0.1570	88.19	27.116	60.714	-0.1482494	-0.112339	-0.0088	
721112135640		88.20	26.883	58.983	-0.1909279	-0.063848		
721112135710	-0.1882	88.23	26.628	57.260	-0.2042834	0.003655	0.0161	
721112135740		88.28	26.353	55.546	-0.1896985	0.057188		
721112135810	-0.1652	88.36	26.058	53.839	-0.1533155	0.098805	-0.0119	
721112135910	-0.0321	88.58	25.409	50.454	-0.0342340	0.152575	0.0021	
721112135940		88.72	25.056	48.776	0.0393982	0.164723		
72111214 010	0.1221	88.88	24.684	47.108	0.1186862	0.182215	0.0034	
72111214 040		89.07	24.294	45.450	0.2108106	0.220241		
72111214 110	0.3192	89.28	23.886	43.804	0.3201805	0.246151	-0.0010	
72111214 210	0.5180	89.76	23.020	40.543	0.5231905	0.163736	-0.0052	
72111214 240		90.04	22.562	38.929	0.5755019	0.055389		
72111214 310	0.5766	90.33	22.088	37.327	0.5686104	-0.090217	0.0080	
72111214 340		90.65	21.599	35.736	0.4875903	-0.265692		
72111214 410	0.3230	90.99	21.096	34.157	0.3267721	-0.418566	-0.0038	
72111214 510	-0.1242	91.72	20.046	31.032	-0.1201405	-0.499471	-0.0041	
72111214 540		92.12	19.501	29.487	-0.3370255	-0.427464		
72111214 610	-0.4952	92.54	18.944	27.953	-0.5031056	-0.279128	0.0079	
72111214 640		92.98	18.374	26.429	-0.5827758	-0.052999		
72111214 710	-0.5556	93.43	17.793	24.917	-0.5518376	0.174586	-0.0038	
72111214 810	-0.2654	94.40	16.597	21.924	-0.2609748	0.405594	-0.0044	
72111214 840		94.91	15.984	20.443	-0.0700387	0.408980		
72111214 910	0.1166	95.44	15.361	18.971	0.1074286	0.352356	0.0092	
72111214 940		95.99	14.728	17.510	0.2483350	0.250426		
721112141010	0.3283	96.55	14.088	16.058	0.3358170	0.129950	-0.0075	
721112141110	0.3562	97.73	12.782	13.180	0.3533267	-0.086592	0.0029	
721112141140		98.34	12.118	11.754	0.2908528	-0.182654		
721112141210	0.1923	98.96	11.447	10.336	0.1921975	-0.229850	0.0001	
721112141240		99.60	10.770	8.926	0.0923999	-0.187490		
721112141310	0.0246	100.26	10.087	7.523	0.0247525	-0.108213	-0.0002	
721112141410	-0.0199	101.61	8.706	4.737	-0.0188781	0.003236	-0.0010	
721112141440		102.30	8.009	3.354	-0.0093534	0.035401		
721112141510	0.0126	103.01	7.307	1.976	0.0111214	0.050109	0.0015	
721112141540		103.73	6.602	0.604	0.0339627	0.045628		
721112141610	0.0530	104.46	5.893	-0.763	0.0533402	0.041713	-0.0003	
721112141710	0.1085	105.95	4.469	-3.484	0.1101367	0.094860	-0.0016	

721112141740		106.71	3.754	-4.839	0.1663306	0.151931		
721112141810	0.2495	107.48	3.037	-6.191	0.2471452	0.187724	0.0024	
721112141840		108.25	2.319	-7.539	0.3299921	0.160644		
721112141910	0.3896	109.04	1.601	-8.885	0.3902453	0.099540	-0.0006	
721112142020	0.4103	110.90	-0.076	-12.018	0.4123401	-0.063226	-0.0020	
721112142055		111.84	-0.913	-13.582	0.3538156	-0.155223		
721112142130	0.2516	112.79	-1.749	-15.145	0.2480745	-0.230833	0.0035	
7211121422 0		113.61	-2.464	-16.485	0.1327264	-0.263982		
721112142230	0.0056	114.43	-3.177	-17.825	0.0076202	-0.275709	-0.0020	
721112142330	-0.2447	116.09	-4.595	-20.507	-0.2431239	-0.258329	-0.0016	
7211121424 0		116.92	-5.299	-21.850	-0.3561938	-0.229222		
721112142430	-0.4474	117.76	-6.000	-23.195	-0.4511233	-0.176364	0.0037	
7211121425 0		118.59	-6.697	-24.542	-0.5138263	-0.089617		
721112142530	-0.5357	119.43	-7.390	-25.892	-0.5326580	0.005019	-0.0030	
721112142630	-0.4591	121.10	-8.761	-28.601	-0.4601556	0.139945	0.0011	
7211121427 0		121.93	-9.439	-29.961	-0.3855478	0.180237		
721112142730	-0.2976	122.77	-10.111	-31.325	-0.2975986	0.195403	0.0000	
7211121428 0		123.59	-10.777	-32.693	-0.2100654	0.178434		
721112142830	-0.1351	124.42	-11.436	-34.066	-0.1358970	0.141596	0.0008	
721112142930	-0.0498	126.07	-12.733	-36.828	-0.0473593	0.045107	-0.0024	
7211121430 0		126.88	-13.370	-38.218	-0.0400112	-0.014543		
721112143030	-0.0558	127.69	-13.999	-39.614	-0.0577459	-0.054429	0.0019	
7211121431 0		128.50	-14.620	-41.016	-0.0830157	-0.047185		
721112143130	-0.0964	129.30	-15.231	-42.424	-0.0979198	-0.017883	0.0015	
721112143230	-0.0931	130.88	-16.426	-45.263	-0.0906268	0.031668	-0.0025	
721112143440		134.18	-18.873	-51.517	0.0481608	0.097628		
721112143650	0.2372	137.31	-21.099	-57.924	0.2328377	0.062874	0.0044	
721112143720		137.99	-21.578	-59.425	0.2555630	0.034299		
721112143750	0.2584	138.67	-22.043	-60.936	0.2648833	0.008176	-0.0065	
721112143850	0.2646	139.99	-22.931	-63.982	0.2619146	-0.006190	0.0027	
721112143920		140.63	-23.353	-65.518	0.2612841	0.005562		
721112143950	0.2685	141.25	-23.759	-67.063	0.2672015	0.018290	0.0013	
721112144020		141.86	-24.150	-68.617	0.2765289	0.020343		
721112144050	0.2820	142.46	-24.524	-70.178	0.2849224	0.015490	-0.0029	
721112144150	0.2951	143.60	-25.225	-73.325	0.2913620	-0.003635	0.0037	
721112144220		144.15	-25.550	-74.911	0.2865111	-0.017905		
721112144250	0.2673	144.68	-25.858	-76.503	0.2707685	-0.058552	-0.0035	
721112144320		145.19	-26.148	-78.104	0.2248213	-0.148780		
721112144350	0.1329	145.69	-26.420	-79.710	0.1322416	-0.246426	0.0007	
721112144450	-0.1443	146.64	-26.911	-82.943	-0.1479644	-0.337303	0.0037	
721112144520		147.08	-27.128	-84.568	-0.3034515	-0.330551		
721112144550	-0.4544	147.51	-27.327	-86.198	-0.4484489	-0.293051	-0.0060	
721112144620		147.92	-27.506	-87.834	-0.5699415	-0.228871		
721112144650	-0.6542	148.31	-27.667	-89.473	-0.6585540	-0.156762	0.0044	
721112144755	-0.7528	149.09	-27.949	-93.039	-0.7516212	-0.037807	-0.0012	
721112144827		149.44	-28.055	-94.827	-0.7599077	0.002554		
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7211121450 0	-0.6475	150.33	-28.231	-99.926	-0.6483859	0.174895	0.0009	
7211121451 0	-0.4264	150.80	-28.245	-103.236	-0.4261350	0.305274	-0.0003	
721112145130		151.01	-28.222	-104.891	-0.2707137	0.367704		
7211121452 0	-0.0913	151.19	-28.179	-106.544	-0.0911381	0.400719	-0.0002	
721112145230		151.35	-28.117	-108.195	0.0905245	0.376745		
7211121453 0	0.2516	151.50	-28.035	-109.843	0.2513916	0.318060	0.0002	
7211121454 0	0.4774	151.73	-27.812	-113.131	0.4774995	0.163403	-0.0001	
721112145430		151.80	-27.672	-114.769	0.5312635	0.067431		
7211121455 0	0.5431	151.87	-27.513	-116.402	0.5430779	-0.006997	0.0000	
7211121456 0	0.5277	151.92	-27.138	-119.653	0.5277008	0.010703	0.0000	

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 TRANSB = 0.0000000E+00,
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 ERAD = 395098.6
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 DTFTT = 0.2000000
 CONEAC = 1.083000
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YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
721112174620	0.5230	91.44	27.469	91.108	0.5229840	-0.066080	0.0000
721112174720	0.3655	90.68	27.800	87.618	0.3659334	-0.237999	-0.0004
721112174750		90.33	27.932	85.865	0.2528468	-0.242746	
721112174820	0.1471	90.00	28.042	84.108	0.1451443	-0.225693	0.0020
721112174920	-0.0630	89.40	28.196	80.582	-0.0588658	-0.223226	-0.0041
721112174950		89.14	28.239	78.815	-0.1649142	-0.237822	
721112175020	-0.2676	88.89	28.260	77.046	-0.2717281	-0.208670	0.0041
721112175050		88.67	28.257	75.277	-0.3424804	-0.081399	
721112175120	-0.3432	88.47	28.233	73.508	-0.3441966	0.063520	0.0010
721112175220	-0.2282	88.14	28.115	69.973	-0.2192261	0.165373	-0.0090
721112175250		88.01	28.022	68.209	-0.1504018	0.122247	
721112175320	-0.1000	87.91	27.907	66.448	-0.1106529	0.051083	0.0107
721112175350		87.82	27.770	64.690	-0.1022377	-0.013540	
721112175420	-0.1225	87.76	27.611	62.938	-0.1208040	-0.062941	-0.0017
721112175520	-0.2036	87.70	27.227	59.449	-0.1988923	-0.090320	-0.0047
721112175650		87.79	26.492	54.268	-0.2534579	0.047266	
721112175820	-0.0543	88.09	25.574	49.161	-0.0645949	0.192208	0.0103
721112175850		88.23	25.229	47.477	0.0259332	0.196165	
721112175920	0.1022	88.40	24.865	45.804	0.1150274	0.190315	-0.0128
72111218 020	0.2914	88.80	24.082	42.488	0.2881254	0.186331	0.0033
72111218 050		89.04	23.665	40.847	0.3745044	0.188200	
72111218 120	0.4566	89.29	23.230	39.216	0.4524525	0.128651	0.0041
72111218 150		89.57	22.779	37.597	0.4739596	-0.056427	
72111218 220	0.3929	89.87	22.312	35.989	0.3955014	-0.273230	-0.0026
72111218 320	0.0066	90.54	21.332	32.808	0.0096169	-0.521349	-0.0030
72111218 350		90.90	20.820	31.234	-0.2407375	-0.552605	
72111218 420	-0.4802	91.28	20.294	29.672	-0.4858958	-0.488066	0.0057
72111218 450		91.69	19.755	28.121	-0.6714013	-0.293712	
72111218 520	-0.7515	92.11	19.203	26.581	-0.7492237	-0.047956	-0.0023
72111218 620	-0.5996	93.02	18.061	23.535	-0.5953632	0.363371	-0.0042
72111218 650		93.50	17.473	22.028	-0.3883062	0.528917	
72111218 720	-0.1133	94.00	16.875	20.532	-0.1205189	0.606633	0.0072
72111218 750		94.52	16.265	19.046	0.1489369	0.535552	
72111218 820	0.3593	95.06	15.646	17.570	0.3622598	0.388129	-0.0030
72111218 920	0.5752	96.19	14.380	14.648	0.5802230	0.081341	-0.0050
72111218 950		96.78	13.734	13.201	0.5811403	-0.078028	
721112181020	0.5234	97.38	13.081	11.762	0.5142228	-0.198245	0.0092
721112181050		98.00	12.420	10.333	0.4107125	-0.236355	
721112181120	0.2977	98.64	11.752	8.911	0.3036393	-0.224713	-0.0059
721112181220	0.1252	99.95	10.396	6.091	0.1255650	-0.149444	-0.0004
721112181255		100.75	9.596	4.460	0.0644540	-0.073522	
721112181330	0.0465	101.56	8.788	2.838	0.0426603	-0.018206	0.0038
7211121814 5		102.39	7.974	1.224	0.0332126	-0.027668	
721112181440	0.0072	103.23	7.154	-0.382	0.0109222	-0.047937	-0.0037
721112181540	-0.0110	104.72	5.739	-3.119	-0.0127798	0.017747	0.0018
721112181610		105.48	5.027	-4.480	0.0127702	0.098198	
721112181640	0.0756	106.25	4.313	-5.838	0.0758154	0.165236	-0.0002
721112181710		107.02	3.597	-7.191	0.1563485	0.173794	

721112181740	0.2309	107.81	2.880	-8.542	0.2305332	0.144931	0.0004
721112181840	0.3188	109.41	1.443	-11.234	0.3200970	0.038170	-0.0013
721112181910		110.22	0.725	-12.577	0.3203626	-0.039744	
721112181940	0.2849	111.03	0.006	-13.919	0.2834319	-0.117522	0.0015
721112182010		111.86	-0.712	-15.259	0.2143783	-0.178786	
721112182040	0.1210	112.68	-1.429	-16.598	0.1208764	-0.223672	0.0001
721112182140	-0.1124	114.35	-2.858	-19.277	-0.1097080	-0.265003	-0.0027
721112182210		115.19	-3.570	-20.616	-0.2318822	-0.261432	
721112182240	-0.3444	116.03	-4.279	-21.957	-0.3480539	-0.238027	0.0037
721112182310		116.88	-4.985	-23.299	-0.4480380	-0.191075	
721112182340	-0.5233	117.72	-5.688	-24.642	-0.5220986	-0.128560	-0.0012
721112182440	-0.5779	119.42	-7.081	-27.335	-0.5748289	0.019445	-0.0031
721112182510		120.27	-7.772	-28.686	-0.5464029	0.104942	
721112182540	-0.4756	121.12	-8.457	-30.040	-0.4807869	0.171954	0.0052
721112182610		121.97	-9.137	-31.397	-0.3944737	0.194434	
721112182640	-0.3089	122.81	-9.812	-32.759	-0.3058871	0.086814	-0.0030
721112182740	-0.1585	124.50	-11.143	-35.494	-0.1572630	0.124687	-0.0012
721112182810		125.33	-11.798	-36.870	-0.1116708	0.070164	
721112182840	-0.0889	126.17	-12.446	-38.250	-0.0920809	0.018152	0.0032
721112182915		127.13	-13.193	-39.868	-0.0929000	-0.016513	
721112182950	-0.1073	128.09	-13.928	-41.494	-0.1056035	-0.027449	-0.0017
7211121831 0	-0.1239	129.98	-15.365	-44.771	-0.1226248	0.008755	-0.0013
721112183130		130.79	-15.965	-46.187	-0.1100753	0.047981	
7211121832 0	-0.0747	131.58	-16.555	-47.611	-0.0779607	0.089549	0.0033
721112183230		132.36	-17.136	-49.042	-0.0288579	0.121574	
7211121833 0	0.0298	133.14	-17.705	-50.480	0.0325190	0.142052	-0.0027
7211121834 0	0.1689	134.66	-18.812	-53.381	0.1679960	0.142357	0.0009
721112183430		135.41	-19.348	-54.844	0.2295841	0.122184	
7211121835 0	0.2801	136.14	-19.872	-56.315	0.2798497	0.095733	0.0003
721112183530		136.87	-20.383	-57.794	0.3181331	0.070277	
7211121836 0	0.3451	137.58	-20.881	-59.282	0.3453245	0.048616	-0.0002
7211121837 0	0.3770	138.97	-21.838	-62.284	0.3773204	0.025085	-0.0003
721112183730		139.65	-22.296	-63.798	0.3882157	0.023213	
7211121838 0	0.4001	140.31	-22.739	-65.320	0.3991398	0.023845	0.0010
721112183830		140.96	-23.168	-66.852	0.4099882	0.022885	
7211121839 0	0.4181	141.59	-23.581	-68.392	0.4201316	0.021018	-0.0020
7211121840 0	0.4410	142.81	-24.361	-71.497	0.4375716	0.016607	0.0034
721112184030		143.40	-24.727	-73.061	0.4446601	0.014063	
7211121841 0	0.4439	143.97	-25.077	-74.634	0.4475170	-0.008233	-0.0036
721112184130		144.53	-25.410	-76.215	0.4310128	-0.069809	
7211121842 0	0.3816	145.07	-25.726	-77.804	0.3805442	-0.147719	0.0011
7211121843 0	0.1824	146.10	-26.305	-81.002	0.1793313	-0.283700	0.0031
721112184330		146.59	-26.568	-82.611	0.0346930	-0.341771	
7211121844 0	-0.1357	147.06	-26.813	-84.227	-0.1304382	-0.362097	-0.0053
721112184430		147.51	-27.039	-85.848	-0.2890528	-0.313542	
7211121845 0	-0.4118	147.94	-27.246	-87.475	-0.4155389	-0.236322	0.0037
7211121846 0	-0.5753	148.76	-27.605	-90.744	-0.5748895	-0.116532	-0.0004
721112184630		149.14	-27.755	-92.385	-0.6184191	-0.073963	
7211121847 0	-0.6450	149.49	-27.887	-94.029	-0.6437548	-0.035104	-0.0012
721112184730		149.83	-27.998	-95.677	-0.6501968	0.007885	
7211121848 0	-0.6361	150.15	-28.090	-97.327	-0.6356340	0.056332	-0.0005
7211121849 0	-0.5277	150.72	-28.215	-100.633	-0.5315725	0.173590	0.0039
721112184930		150.98	-28.248	-102.286	-0.4358064	0.242400	
7211121850 0	-0.3147	151.22	-28.261	-103.941	-0.3089519	0.303397	-0.0057
721112185030		151.44	-28.254	-105.595	-0.1591104	0.341980	
7211121851 0	0.0069	151.63	-28.228	-107.249	0.0022125	0.350628	0.0047
7211121852 0	0.2914	151.95	-28.115	-110.550	0.2936016	0.255550	-0.0022
721112185230		152.09	-28.030	-112.198	0.3890811	0.151825	
7211121853 0	0.4346	152.19	-27.925	-113.842	0.4341061	0.050150	0.0005
721112185330		152.29	-27.800	-115.482	0.4417834	-0.009966	
7211121854 0	0.4281	152.35	-27.657	-117.119	0.4281221	-0.049172	0.0000
7211121855 0	0.3468	152.42	-27.312	-120.377	0.3467992	-0.126800	0.0000

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DTEIT = 0.2000000
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721112214459	0.5073	91.50	27.078	91.592	0.5072799	0.011068	0.0000	
721112214559	0.3930	90.69	27.472	88.123	0.3935445	-0.213530	-0.0005	
721112214629		90.31	27.637	86.378	0.2893015	-0.227079		
721112214659	0.1906	89.95	27.780	84.628	0.1881420	-0.212861	0.0025	
721112214759	-0.0116	89.31	28.000	81.114	-0.0063744	-0.215329	-0.0052	
721112214829		89.02	28.076	79.351	-0.1092429	-0.232014		
721112214859	-0.2087	88.75	28.130	77.586	-0.2145905	-0.209601	0.0059	
721112214929		88.50	28.162	75.818	-0.2891615	-0.098691		
721112214959	-0.3044	88.27	28.171	74.050	-0.3025220	0.032985	-0.0019	
721112215059	-0.2058	87.89	28.122	70.513	-0.2010777	0.155431	-0.0047	
721112215129		87.74	28.063	68.746	-0.1296417	0.146202		
721112215159	-0.0642	87.60	27.982	66.981	-0.0720258	0.098342	0.0078	
721112215229		87.49	27.878	65.219	-0.0434984	0.020190		
721112215259	-0.0565	87.41	27.753	63.460	-0.0526419	-0.053145	-0.0039	
721112215359	-0.1303	87.30	27.435	59.956	-0.1264187	-0.080038	-0.0039	
721112215429		87.29	27.244	58.212	-0.1541859	-0.033595		
721112215459	-0.1452	87.29	27.031	56.475	-0.1568786	0.016491	0.0117	
721112215529		87.32	26.797	54.744	-0.1439814	0.033940		
721112215559	-0.1455	87.37	26.542	53.021	-0.1273131	0.039865	-0.0182	
721112215659	-0.0603	87.55	25.971	49.599	-0.0747030	0.080481	0.0144	
721112215824		87.96	25.028	44.814	0.1027754	0.203688		
721112215949	0.3532	88.54	23.936	40.110	0.3700638	0.124800	-0.0169	
72111222 019		88.80	23.516	38.471	0.3970388	-0.017968		
72111222 049	0.3710	89.07	23.080	36.842	0.3499305	-0.183916	0.0211	
72111222 149	0.0337	89.68	22.160	33.619	0.0413234	-0.475564	-0.0076	
72111222 219		90.02	21.676	32.024	-0.2078273	-0.601251		
72111222 249	-0.5017	90.38	21.177	30.441	-0.4977156	-0.622200	-0.0040	
72111222 319		90.76	20.665	28.869	-0.7521614	-0.447106		
72111222 349	-0.8901	91.16	20.138	27.308	-0.8961326	-0.178046	0.0060	
72111222 449	-0.8248	92.03	19.045	24.221	-0.8205489	0.336490	-0.0043	
72111222 519		92.49	18.480	22.694	-0.6081777	0.581959		
72111222 549	-0.2942	92.97	17.903	21.177	-0.2967542	0.739508	0.0026	
72111222 619		93.47	17.315	19.672	0.0488515	0.729314		
72111222 649	0.3601	93.99	16.716	18.177	0.3608388	0.616198	-0.0007	
72111222 749	0.7829	95.08	15.488	15.218	0.7843057	0.275634	-0.0014	
72111222 819		95.65	14.860	13.753	0.8605324	0.048147		
72111222 849	0.8361	96.24	14.223	12.297	0.8335795	-0.148266	0.0025	
72111222 919		96.85	13.577	10.851	0.7389959	-0.244684		
72111222 949	0.6163	97.47	12.924	9.413	0.6179836	-0.273993	-0.0017	
721112221049	0.3745	98.76	11.597	6.563	0.3746204	-0.230416	-0.0001	
721112221119		99.43	10.923	5.150	0.2837406	-0.157497		
721112221149	0.2285	100.11	10.244	3.745	0.2271568	-0.097737	0.0013	
721112221219		100.81	9.559	2.346	0.1842137	-0.098310		
721112221249	0.1318	101.51	8.869	0.954	0.1334314	-0.118071	-0.0016	

721112221349	0.0314	102.97	7.476	-1.811	0.0298391	-0.091654	0.0016
721112221419		103.72	6.773	-3.185	-0.0026655	-0.045456	
721112221449	-0.0099	104.47	6.068	-4.554	-0.0085590	-0.024022	-0.0013
721112221519		105.24	5.359	-5.919	0.0233250	0.118173	
721112221549	0.0988	106.01	4.649	-7.279	0.0980728	0.196273	0.0007
721112221719		108.40	2.506	-11.338	0.3556378	0.090602	
721112221849	0.2806	110.85	0.357	-15.372	0.2814476	-0.161578	-0.0008
721112221919		111.69	-0.359	-16.714	0.1976260	-0.197428	
721112221949	0.1033	112.52	-1.074	-18.055	0.1013847	-0.218785	0.0019
721112222049	-0.1179	114.21	-2.501	-20.734	-0.1151428	-0.246986	-0.0028
721112222119		115.06	-3.211	-22.074	-0.2309651	-0.253826	
721112222149	-0.3432	115.91	-3.919	-23.415	-0.3459136	-0.237257	0.0027
721112222219		116.77	-4.624	-24.757	-0.4435686	-0.178679	
721112222249	-0.5087	117.62	-5.326	-26.100	-0.5077614	-0.099640	-0.0009
721112222349	-0.5297	119.34	-6.720	-28.792	-0.5278557	0.055442	-0.0018
721112222419		120.20	-7.410	-30.142	-0.4846564	0.131483	
721112222449	-0.4067	121.06	-8.095	-31.495	-0.4100630	0.184110	0.0034
721112222519		121.92	-8.776	-32.850	-0.3216929	0.190984	
721112222549	-0.2405	122.77	-9.451	-34.210	-0.2380132	0.169921	-0.0025
721112222649	-0.1110	124.47	-10.783	-36.942	-0.1114532	0.097471	0.0005
721112222719		125.32	-11.440	-38.315	-0.0779203	0.046073	
721112222749	-0.0673	126.16	-12.089	-39.693	-0.0681064	-0.000148	0.0008
721112222819		127.00	-12.731	-41.076	-0.0749227	-0.025968	
721112222849	-0.0899	127.83	-13.366	-42.466	-0.0892186	-0.033182	-0.0007
721112222949	-0.1085	129.48	-14.610	-45.262	-0.1084475	0.002717	-0.0001
721112223019		130.30	-15.219	-46.670	-0.0978802	0.045847	
721112223049	-0.0653	131.10	-15.818	-48.085	-0.0658172	0.090955	0.0005
721112223119		131.90	-16.408	-49.507	-0.0158552	0.123296	
721112223149	0.0455	132.69	-16.988	-50.937	0.0459905	0.142412	-0.0005
721112223249	0.1807	134.24	-18.116	-53.818	0.1804487	0.139730	0.0003
721112223319		135.01	-18.664	-55.270	0.2404643	0.117919	
721112223349	0.2886	135.76	-19.200	-56.731	0.2887204	0.092118	-0.0001
721112223419		136.50	-19.723	-58.200	0.3263852	0.071947	
721112223449	0.3560	137.23	-20.235	-59.678	0.3557923	0.055909	0.0002
721112223549	0.3950	138.65	-21.219	-62.658	0.3954066	0.031631	-0.0004
721112223619		139.35	-21.691	-64.160	0.4080116	0.023395	
721112223649	0.4183	140.02	-22.150	-65.672	0.4175871	0.018913	0.0007
721112223727		140.86	-22.702	-67.573	0.4285076	0.020203	
7211122238 4	0.4391	141.66	-23.232	-69.488	0.4407662	0.020773	-0.0017
721112223919	0.4570	143.20	-24.220	-73.357	0.4531508	-0.005379	0.0038
721112223949		143.80	-24.588	-74.919	0.4461212	-0.026037	
721112224019	0.4200	144.37	-24.939	-76.490	0.4252880	-0.071555	-0.0053
721112224049		144.93	-25.273	-78.067	0.3732726	-0.161047	
721112224119	0.2796	145.47	-25.591	-79.653	0.2757166	-0.256270	0.0039
721112224219	-0.0150	146.50	-26.174	-82.845	-0.0139505	-0.349543	-0.0010
721112224249		146.99	-26.439	-84.451	-0.1761578	-0.347563	
721112224319	-0.3306	147.46	-26.686	-86.064	-0.3298949	-0.313195	-0.0007
721112224349		147.91	-26.914	-87.682	-0.4603547	-0.246419	
721112224419	-0.5555	148.34	-27.124	-89.307	-0.5560471	-0.170590	0.0005
721112224519	-0.6584	149.15	-27.488	-92.570	-0.6588420	-0.061542	0.0004
721112224549		149.53	-27.641	-94.208	-0.6790479	-0.028339	
721112224619	-0.6857	149.88	-27.776	-95.850	-0.6848018	0.006240	-0.0009
721112224649		150.22	-27.890	-97.494	-0.6706592	0.057846	
721112224719	-0.6297	150.53	-27.986	-99.142	-0.6299269	0.119009	0.0002
721112224819	-0.4602	151.10	-28.117	-102.443	-0.4612288	0.247828	0.0010
721112224849		151.36	-28.154	-104.094	-0.3312439	0.315488	
721112224919	-0.1752	151.59	-28.170	-105.747	-0.1734548	0.360235	-0.0017
721112224949		151.81	-28.167	-107.399	-0.0059892	0.357055	
721112225019	0.1523	151.99	-28.144	-109.051	0.1508471	0.318835	0.0015
721112225119	0.3854	152.31	-28.040	-112.349	0.3860831	0.175916	-0.0007
721112225149		152.44	-27.958	-113.994	0.4439930	0.071194	
721112225219	0.4548	152.54	-27.857	-115.638	0.4546468	-0.015270	0.0002
721112225249		152.63	-27.737	-117.276	0.4388982	-0.043166	
721112225319	0.4182	152.69	-27.597	-118.912	0.4182068	-0.048862	0.0000
721112225419	0.3525	152.75	-27.261	-122.169	0.3524997	-0.102947	0.0000

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721113 54210	0.4794	92.47	26.116	93.070	0.4793729	0.117875	0.0000	
721113 54310	0.4513	91.53	26.646	89.654	0.4520319	-0.137780	-0.0007	
721113 54340		91.10	26.880	87.933	0.3770705	-0.177145		
721113 54410	0.2962	90.68	27.094	86.205	0.2928946	-0.187709	0.0033	
721113 54510	0.1013	89.91	27.458	82.728	0.1083528	-0.212915	-0.0071	
721113 54540		89.55	27.607	80.981	0.0067328	-0.227556		
721113 54610	-0.0894	89.22	27.735	79.229	-0.0979336	-0.217307	0.0085	
721113 54640		88.91	27.841	77.472	-0.1860518	-0.155922		
721113 54710	-0.2434	88.62	27.925	75.711	-0.2381377	-0.070070	-0.0053	
721113 54810	-0.2265	88.11	28.026	72.183	-0.2259611	0.094965	-0.0005	
721113 54840		87.89	28.043	70.416	-0.1637572	-0.174149		
721113 54910	-0.0697	87.69	28.037	68.648	-0.0735060	0.199078	0.0038	
721113 54940		87.51	28.009	66.881	0.0037068	0.117715		
721113 55010	0.0277	87.36	27.958	65.115	0.0302079	0.004025	-0.0025	
721113 55155		87.01	27.604	58.952	-0.0884154	-0.065799		
721113 55340	-0.0778	86.94	26.982	52.842	-0.0803660	0.053877	0.0026	
721113 55410		86.98	26.756	51.110	-0.0527560	0.063951		
721113 55440	-0.0266	87.04	26.509	49.385	-0.0215920	0.072232	-0.0050	
721113 55540	0.0662	87.22	25.955	45.960	0.0604322	0.110186	0.0058	
721113 55610		87.35	25.648	44.260	0.1178745	0.139857		
721113 55640	0.1807	87.50	25.321	42.569	0.1859535	0.146016	-0.0053	
721113 55710		87.68	24.976	40.888	0.2443676	0.098025		
721113 55740	0.2721	87.88	24.611	39.218	0.2689857	0.001447	0.0031	
721113 55840	0.1349	88.34	23.829	35.907	0.1348260	-0.320704	0.0001	
721113 55910		88.60	23.412	34.268	-0.0636395	-0.546267		
721113 55940	-0.3620	88.89	22.978	32.639	-0.3593298	-0.705199	-0.0027	
721113 6 010		89.20	22.527	31.022	-0.6876584	-0.687828		
721113 6 040	-0.9704	89.53	22.061	29.416	-0.9752682	-0.545878	0.0049	
721113 6 140	-1.2770	90.26	21.084	26.238	-1.2697678	-0.043441	-0.0072	
721113 6 210		90.66	20.573	24.666	-1.2094190	0.317028		
721113 6 240	-0.9719	91.07	20.049	23.106	-0.9801976	0.656863	0.0083	
721113 6 310		91.51	19.511	21.556	-0.6204866	0.882470		
721113 6 340	-0.1900	91.97	18.961	20.018	-0.1832161	0.992002	-0.0068	
721113 6 440	0.7107	92.94	17.824	16.974	0.7067764	0.857058	0.0039	
721113 6 510		93.45	17.239	15.468	1.0505530	0.612610		
721113 6 540	1.2623	93.99	16.643	13.972	1.2642635	0.315125	-0.0020	
721113 6 610		94.54	16.036	12.487	1.3433867	0.029654		
721113 6 640	1.3010	95.11	15.420	11.011	1.2995900	-0.204125	0.0014	
721113 6 740	0.9924	96.30	14.161	8.089	0.9937892	-0.397265	-0.0014	
721113 6 810		96.92	13.518	6.642	0.8162478	-0.356649		
721113 6 840	0.6704	97.56	12.868	5.204	0.6684890	-0.289956	0.0019	

721113 6 910		98.21	12.211	3.774	0.5424613	-0.262581		
721113 6 940	0.4190	98.87	11.547	2.352	0.4228498	-0.255888	-0.0038	
721113 61040	0.1972	100.25	10.200	-0.469	0.1905350	-0.248679	0.0067	
721113 61110		100.96	9.518	-1.868	0.0759305	-0.248162		
721113 61140	-0.0403	101.68	8.831	-3.261	-0.0327251	-0.209420	-0.0076	
721113 61210		102.42	8.139	-4.648	-0.1053643	-0.092190		
721113 61240	-0.1109	103.16	7.444	-6.029	-0.1152645	0.041806	0.0044	
721113 61340	-0.0003	104.69	6.042	-8.774	-0.0014073	0.174816	0.0011	
721113 61410		105.47	5.337	-10.140	0.0808024	0.173840		
721113 61440	0.1495	106.26	4.630	-11.501	0.1538918	0.138960	-0.0044	
721113 61510		107.06	3.920	-12.859	0.2056038	0.081267		
721113 61540	0.2312	107.86	3.209	-14.213	0.2274509	0.013974	0.0037	
721113 61640	0.1808	109.50	1.784	-16.912	0.1821325	-0.109713	-0.0013	
721113 61710		110.33	1.070	-18.257	0.1183262	-0.166108		
721113 61740	0.0297	111.17	0.357	-19.602	0.0299006	-0.215046	-0.0002	
721113 61810		112.01	-0.356	-20.944	-0.0784983	-0.252685		
721113 61840	-0.2004	112.85	-1.068	-22.286	-0.2005451	-0.271644	0.0001	
721113 61940	-0.4402	114.56	-2.488	-24.968	-0.4407935	-0.231355	0.0006	
721113 62010		115.42	-3.195	-26.309	-0.5349267	-0.172111		
721113 62040	-0.5976	116.28	-3.899	-27.651	-0.5965825	-0.092536	-0.0010	
721113 62110		117.15	-4.601	-28.993	-0.6181318	0.001608		
721113 62140	-0.5954	118.01	-5.300	-30.337	-0.5962121	0.088487	0.0008	
721113 62250	-0.4389	120.03	-6.916	-33.481	-0.4384818	0.177914	-0.0004	
721113 62325		121.04	-7.716	-35.058	-0.3448367	0.163152		
721113 624 0	-0.2662	122.05	-8.508	-36.639	-0.2668647	0.125329	0.0007	
721113 62430		122.91	-9.182	-37.998	-0.2174958	0.087743		
721113 625 0	-0.1880	123.77	-9.850	-39.361	-0.1857641	0.050690	-0.0022	
721113 626 0	-0.1623	125.48	-11.168	-42.100	-0.1668907	-0.005923	0.0046	
721113 62630		126.33	-11.817	-43.477	-0.1743648	-0.025483		
721113 627 0	-0.1933	127.17	-12.458	-44.859	-0.1873775	-0.025268	-0.0059	
721113 62730		128.01	-13.092	-46.246	-0.1925070	0.008666		
721113 628 0	-0.1721	128.84	-13.718	-47.640	-0.1774625	0.055029	0.0054	
721113 629 0	-0.0973	130.49	-14.945	-50.445	-0.0933873	0.121169	-0.0039	
721113 62930		131.30	-15.545	-51.858	-0.0325395	0.140946		
721113 630 0	0.0380	132.11	-16.135	-53.277	0.0348985	0.148647	0.0031	
721113 63030		132.90	-16.715	-54.704	0.1023626	0.141059		
721113 631 0	0.1606	133.69	-17.286	-55.138	0.1641215	0.126808	-0.0035	
721113 632 0	0.2747	135.23	-18.394	-59.029	0.2701715	0.104207	0.0045	
721113 63230		135.99	-18.931	-60.486	0.3162782	0.095855		
721113 633 0	0.3537	136.73	-19.456	-61.952	0.3587646	0.088051	-0.0051	
721113 63330		137.47	-19.969	-63.425	0.3974463	0.079373		
721113 634 0	0.4365	138.18	-20.470	-64.908	0.4318267	0.069215	0.0047	
721113 635 0	0.4803	139.59	-21.432	-67.897	0.4841074	0.042633	-0.0038	
721113 63530		140.27	-21.893	-69.404	0.5000794	0.026210		
721113 636 0	0.5126	140.94	-22.340	-70.920	0.5097341	0.019051	0.0029	
721113 63630		141.60	-22.772	-72.445	0.5208435	0.032511		
721113 637 0	0.5369	142.23	-23.189	-73.977	0.5383519	0.036863	-0.0015	
721113 63835		144.15	-24.410	-78.886	0.4624700	-0.205576		
721113 64010	-0.0269	145.91	-25.469	-83.874	0.0280787	-0.376917	0.0012	
721113 64040		146.43	-25.768	-85.464	-0.1911195	-0.326584		
721113 64110	-0.3222	146.93	-26.049	-87.062	-0.3208023	-0.242883	-0.0014	
721113 64210	-0.4842	147.87	-26.559	-90.276	-0.4844188	-0.118372	0.0002	
721113 64240		148.32	-26.787	-91.892	-0.5278637	-0.071558		
721113 64310	-0.5510	148.74	-26.996	-93.514	-0.5517725	-0.033069	0.0008	
721113 64340		149.16	-27.187	-95.141	-0.5593802	-0.000951		
721113 64410	-0.5530	149.54	-27.359	-96.772	-0.5520873	0.034818	-0.0009	
721113 64510	-0.4715	150.25	-27.646	-100.047	-0.4722015	0.147319	0.0007	
721113 64540		150.59	-27.761	-101.689	-0.3870055	0.224048		
721113 64610	-0.2664	150.89	-27.856	-103.334	-0.2659770	0.296515	-0.0004	
721113 64640		151.18	-27.932	-104.980	-0.1166342	0.346778		
721113 64710	0.0496	151.44	-27.988	-106.629	0.0496911	0.367575	-0.0001	
721113 64810	0.3695	151.91	-28.042	-109.928	0.3687150	0.298936	0.0008	
721113 64840		152.12	-28.039	-111.578	0.4874909	0.209509		
721113 64910	0.5597	152.29	-28.018	-113.227	0.5608587	0.111601	-0.0012	
721113 64940		152.46	-27.976	-114.874	0.5935903	0.033500		
721113 65010	0.5960	152.59	-27.915	-116.520	0.5950682	-0.023293	0.0009	

721113 65110 0.5453 152.80 -27.734 -119.805 0.5457212 -0.068371 -0.0004
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DIFIT = 0.2000000

CONFAC = 1.083000

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721113 94144	0.5400	92.26	26.445	90.391	0.5399992	-0.022129	0.0000
721113 94249	0.4294	91.28	27.002	86.676	0.4294261	-0.173000	0.0000
721113 94319		90.86	27.226	84.948	0.3443186	-0.190111	
721113 94349	0.2566	90.45	27.429	83.212	0.2564822	-0.190348	0.0001
721113 94449	0.0809	89.71	27.771	79.722	0.0811176	-0.189113	-0.0002
721113 94519		89.37	27.910	77.968	-0.0058848	-0.187641	
721113 94549	-0.0862	89.05	28.026	76.209	-0.0856813	-0.144177	-0.0005
721113 94619		88.76	28.120	74.447	-0.1261620	-0.017255	
721113 94649	-0.0971	88.48	28.191	72.681	-0.1005947	0.116362	0.0035
721113 94749	0.0470	88.00	28.266	69.143	0.0548340	0.173628	-0.0078
721113 94819		87.80	28.270	67.372	0.1200640	0.097244	
721113 94849	0.1516	87.61	28.251	65.601	0.1425721	0.007471	0.0090
721113 94919		87.45	28.209	63.830	0.1336032	-0.039118	
721113 94949	0.1072	87.32	28.144	62.062	0.1105033	-0.059397	-0.0033
721113 95049	0.0408	87.11	27.947	58.531	0.0470548	-0.071766	-0.0053
721113 95119		87.04	27.815	56.771	0.0153832	-0.063851	
721113 95149	0.0012	87.00	27.661	55.016	-0.0104533	-0.046510	0.0117
721113 95219		86.98	27.485	53.266	-0.0261033	-0.019701	
721113 95249	-0.0376	86.98	27.288	51.522	-0.0283174	0.009246	-0.0093
721113 95349	0.0046	87.06	26.828	48.054	0.0013767	0.051622	0.0032
721113 95419		87.13	26.567	46.331	0.0285114	0.065049	
721113 95449	0.0618	87.23	26.285	44.616	0.0610890	0.076200	0.0007
721113 95519		87.35	25.984	42.911	0.0989695	0.087984	
721113 95549	0.1367	87.49	25.662	41.214	0.1376887	0.069613	-0.0010
721113 95649	0.1191	87.84	24.962	37.851	0.1193466	-0.149974	-0.0002
721113 95719		88.05	24.583	36.184	0.0059825	-0.351220	
721113 95749	-0.2039	88.29	24.187	34.528	-0.2049760	-0.552700	0.0011
721113 95819		88.54	23.773	32.883	-0.4950845	-0.693828	
721113 95849	-0.8321	88.82	23.342	31.250	-0.8309442	-0.739580	-0.0012
721113 95949	-1.4148	89.44	22.431	28.016	-1.4157159	-0.440157	0.0009
721113 019		89.79	21.952	26.416	-1.5442635	-0.094918	
721113 049	-1.4975	90.15	21.458	24.828	-1.4970348	0.291609	-0.0005
721113 119		90.54	20.949	23.251	-1.2822846	0.630642	
721113 149	-0.9273	90.94	20.426	21.686	-0.9266719	0.892189	-0.0006
721113 249	0.0253	91.82	19.340	18.590	0.0231414	1.093606	0.0022
721113 319		92.29	18.778	17.058	0.5183336	1.033425	
721113 349	0.9550	92.77	18.204	15.538	0.9578620	0.846450	-0.0029
721113 419		93.28	17.618	14.029	1.2773532	0.513010	

721113 449	1.4290	93.80	17.021	12.530	1.4271004	0.150436	0.0019
721113 549	1.3259	95.41	15.797	9.564	1.3259617	-0.310842	-0.0001
721113 619		95.48	15.171	8.096	1.1562707	-0.409501	
721113 649	0.9585	96.08	14.535	6.637	0.9598891	-0.429921	-0.0014
721113 719		96.69	13.891	5.188	0.7698348	-0.381881	
721113 749	0.6123	97.32	13.239	3.748	0.6098424	-0.317125	0.0025
721113 849	0.3356	98.62	11.913	0.894	0.3391044	-0.292636	-0.0035
721113 919		99.29	11.240	-0.521	0.1960689	-0.332904	
721113 949	0.0409	99.98	10.561	-1.929	0.0374538	-0.335855	0.0034
721113 1019		100.68	9.876	-3.329	-0.0971793	-0.229178	
721113 101049	-0.1687	101.39	9.186	-4.722	-0.1678911	-0.081836	-0.0008
721113 101149	-0.1413	102.86	7.792	-7.490	-0.1379735	0.127732	-0.0033
721113 101219		103.61	7.089	-8.864	-0.0635528	0.189973	
721113 101249	0.0367	104.37	6.383	-10.234	0.0312924	0.212245	0.0054
721113 101319		105.14	5.673	-11.599	0.1244856	0.182920	
721113 101349	0.1924	105.92	4.961	-12.959	0.1959290	0.125906	-0.0035
721113 101454	0.2551	107.65	3.412	-15.893	0.2551060	-0.010541	0.0000
721113 101527		108.53	2.634	-17.354	0.2312874	-0.085416	
721113 101559	0.1724	109.41	1.857	-18.812	0.1705251	-0.155217	0.0019
721113 101629		110.24	1.138	-20.155	0.0864804	-0.206806	
721113 101659	-0.0186	111.07	0.419	-21.497	-0.0178212	-0.241432	-0.0008
721113 101759	-0.2514	112.75	-1.016	-24.175	-0.2494778	-0.245951	-0.0019
721113 101829		113.60	-1.732	-25.514	-0.3569092	-0.215845	
721113 101859	-0.4411	114.45	-2.447	-26.852	-0.4444095	-0.157335	0.0033
721113 101929		115.30	-3.160	-28.190	-0.4967645	-0.063595	
721113 101959	-0.5046	116.16	-3.870	-29.529	-0.5025824	0.033708	-0.0020
721113 102059	-0.4125	117.88	-5.282	-32.210	-0.4118855	0.144006	-0.0006
721113 102129		118.74	-5.982	-33.553	-0.3413199	0.157000	
721113 102159	-0.2680	119.61	-6.679	-34.898	-0.2701022	0.149301	0.0021
721113 102229		120.47	-7.372	-36.246	-0.2055058	0.128317	
721113 102259	-0.1544	121.33	-8.060	-37.597	-0.1529765	0.098515	-0.0014
721113 102359	-0.0945	123.04	-9.421	-40.309	-0.0942184	0.025854	-0.0003
721113 102429		123.90	-10.092	-41.670	-0.0920083	-0.017005	
721113 102459	-0.1066	124.75	-10.758	-43.037	-0.1078602	-0.046478	0.0013
721113 102529		125.60	-11.417	-44.408	-0.1301346	-0.044828	
721113 102559	-0.1472	126.44	-12.069	-45.784	-0.1463403	-0.024256	-0.0009
721113 102659	-0.1427	128.11	-13.351	-48.552	-0.1425040	-0.037045	-0.0002
721113 102729		128.94	-13.980	-49.945	-0.1162578	0.077774	
721113 102759	-0.0711	129.76	-14.600	-51.345	-0.0720558	0.109633	0.0010
721113 102829		130.58	-15.212	-52.751	-0.0187912	0.117033	
721113 102859	0.0328	131.38	-15.814	-54.164	0.0340800	0.111905	-0.0013
721113 102959	0.1335	132.97	-16.990	-57.012	0.1320289	0.099853	0.0015
721113 103029		133.75	-17.562	-58.447	0.1765540	0.092930	
721113 103059	0.2167	134.52	-18.123	-59.890	0.2182934	0.088975	-0.0016
721113 103129		135.28	-18.674	-61.340	0.2597161	0.091557	
721113 103159	0.3042	136.03	-19.212	-62.800	0.3025807	0.092494	0.0016
721113 103259	0.3767	137.49	-20.253	-65.743	0.3782616	0.064879	-0.0016
721113 103329		138.21	-20.755	-67.227	0.4020022	0.036327	
721113 103359	0.4139	138.91	-21.244	-68.720	0.4127612	0.013991	0.0011
721113 103437		139.77	-21.835	-70.598	0.4201382	0.017372	
721113 103514	0.4324	140.60	-22.405	-72.490	0.4326513	0.019919	-0.0003
721113 103629	0.4085	142.21	-23.477	-76.314	0.4095054	-0.084324	-0.0010
721113 103659		142.82	-23.879	-77.859	0.3524238	-0.166841	
721113 103729	0.2565	143.42	-24.265	-79.412	0.2547887	-0.253662	0.0017
721113 103759		144.01	-24.636	-80.973	0.1204676	-0.325764	
721113 103829	-0.0422	144.58	-24.990	-82.543	-0.0414761	-0.368410	-0.0007
721113 103859	-0.3746	145.66	-25.648	-85.705	-0.3734200	-0.321117	-0.0012
721113 103929		146.18	-25.951	-87.297	-0.5026124	-0.231178	
721113 103959	-0.5846	146.68	-26.237	-88.897	-0.5866690	-0.139861	0.0021
721113 104029		147.16	-26.504	-90.503	-0.6381321	-0.089983	
721113 104059	-0.6736	147.62	-26.754	-92.116	-0.6727137	-0.059324	-0.0009
721113 104129	-0.6973	148.49	-27.198	-95.359	-0.6959482	0.010999	-0.0014
721113 104229		148.90	-27.392	-96.988	-0.6818297	0.050663	
721113 104259	-0.6447	149.28	-27.568	-98.623	-0.6470995	0.103769	0.0024
721113 104329		149.65	-27.724	-100.261	-0.5823374	0.180761	
721113 104359	-0.4806	149.99	-27.860	-101.904	-0.4795796	0.261733	-0.0010

721113104529 -0.1819 150.63 -28.075 -105.198 -0.1802928 0.375907 -0.0016
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721113104729 0.4921 151.64 -28.269 -111.807 0.4947555 0.238065 -0.0027
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721113104859 152.19 -28.207 -116.765 0.6714181 0.037988
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DTFIT = 0.2000000

CONFAC = 1.083000

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721113134040	0.5704	93.03	26.140	89.960	0.5704017	-0.072095	0.0000	
721113134140	0.4347	92.08	26.696	86.551	0.4346543	-0.201567	0.0000	
721113134210		91.64	26.944	84.833	0.3360420	-0.220476		
721113134240	0.2335	91.21	27.171	83.107	0.2337076	-0.222282	-0.0002	
721113134340	0.0312	90.43	27.561	79.633	0.0307235	-0.214949	0.0005	
721113134410		90.06	27.724	77.887	-0.0665563	-0.205808		
721113134440	-0.1543	89.72	27.866	76.135	-0.1529548	-0.155351	-0.0013	
721113134510		89.40	27.985	74.378	-0.1978331	-0.025867		
721113134540	-0.1722	89.10	28.082	72.617	-0.1761502	0.108168	0.0040	
721113134640	-0.0354	88.57	28.209	69.085	-0.0277496	0.166694	-0.0077	
721113134710		88.33	28.238	67.316	0.0344680	0.091153		
721113134740	0.0632	88.12	28.245	65.547	0.0546337	0.003974	0.0086	
721113134810		87.93	28.229	63.776	0.0452954	-0.036660		
721113134840	0.0215	87.77	28.191	62.007	0.0248102	-0.051137	-0.0033	
721113134940	-0.0350	87.50	28.046	58.473	-0.0295989	-0.062890	-0.0054	
721113135010		87.41	27.940	56.710	-0.0582285	-0.060162		
721113135040	-0.0730	87.33	27.811	54.950	-0.0835918	-0.047303	0.0106	
721113135110		87.28	27.661	53.195	-0.0996674	-0.019905		
721113135140	-0.1108	87.26	27.488	51.445	-0.1013575	0.011497	-0.0094	
721113135240	-0.0634	87.27	27.078	47.963	-0.0687619	0.054761	0.0054	
721113135310		87.31	26.841	46.232	-0.0404878	0.066621		
721113135340	-0.0106	87.38	26.584	44.509	-0.0083195	0.071514	-0.0023	
721113135417		87.49	26.233	42.366	-0.0322695	0.067206		
721113135455	0.0612	87.64	25.851	40.238	0.0599907	0.014756	0.0012	
721113135510	-0.0988	88.05	24.995	36.025	-0.0975978	-0.344306	-0.0012	
721113135640		88.26	24.620	34.358	-0.3095618	-0.582849		
721113135710	-0.6259	88.48	24.227	32.701	-0.6263250	-0.760082	0.0004	
721113135740		88.73	23.816	31.055	-0.9841981	-0.760566		
721113135810	-1.3054	89.00	23.389	29.420	-1.3082054	-0.628474	0.0028	
721113135910	-1.6788	89.60	22.484	26.183	-1.6713020	-0.999057	-0.0075	
721113135940		89.94	22.007	24.582	-1.6287031	0.293311		

72111314 010	-1.3883	90.29	21.516	22.993	-1.3976132	0.684448	0.0093
72111314 040		90.67	21.010	21.415	-1.0137088	0.959968	
72111314 110	-0.5337	91.07	20.490	19.849	-0.5286233	1.122482	-0.0051
72111314 210	0.5314	91.93	19.409	16.749	0.5338067	1.101936	-0.0024
72111314 240		92.38	18.849	15.216	1.0047693	0.918819	
72111314 310	1.3735	92.86	18.277	13.694	1.3665171	0.633623	0.0070
72111314 340		93.36	17.694	12.183	1.5760883	0.259282	
72111314 410	1.6019	93.87	17.100	10.683	1.6083047	-0.099805	-0.0064
72111314 510	1.3167	94.96	15.880	7.714	1.3131797	-0.459823	0.0035
72111314 540		95.52	15.256	6.244	1.0960646	-0.460697	
72111314 610	0.8937	96.11	14.622	4.784	0.8948951	-0.415383	-0.0012
72111314 640		96.71	13.980	3.334	0.7083573	-0.397110	
72111314 710	0.5258	97.33	13.330	1.892	0.5263671	-0.390868	-0.0006
72111314 810	0.1768	98.61	12.007	-0.965	0.1744464	-0.369393	0.0024
72111314 840		99.27	11.336	-2.382	0.0072858	-0.354158	
72111314 910	-0.1476	99.95	10.658	-3.790	-0.1445478	-0.286783	-0.0031
72111314 940		100.64	9.975	-5.192	-0.2419135	-0.118063	
721113141010	-0.2495	101.35	9.286	-6.586	-0.2510229	0.067258	0.0015
721113141110	-0.0899	102.79	7.895	-9.356	-0.0910782	0.233818	0.0012
721113141140		103.54	7.193	-10.732	0.0151636	0.215022	
721113141210	0.1001	104.29	6.488	-12.103	0.1025129	0.164028	-0.0024
721113141240		105.05	5.780	-13.468	0.1671756	0.116664	
721113141310	0.2107	105.82	5.069	-14.830	0.2099324	0.067305	0.0008
721113141410	0.2200	107.40	3.640	-17.540	0.2182491	-0.054396	0.0018
721113141447		108.40	2.745	-19.227	0.1609887	-0.146021	
721113141525	0.0502	109.41	1.848	-20.910	0.0529122	-0.221042	-0.0027
7211131416 2		110.43	0.950	-22.589	-0.0854598	-0.250927	
721113141640	-0.2274	111.47	0.053	-24.265	-0.2290124	-0.240810	0.0016
721113141740	-0.4162	113.14	-1.381	-26.944	-0.4172887	-0.152126	0.0011
721113141810		113.98	-2.095	-28.283	-0.4704247	-0.074313	
721113141840	-0.4879	114.82	-2.808	-29.621	-0.4852268	0.007956	-0.0027
721113141910		115.67	-3.519	-30.960	-0.4651258	0.076883	
721113141940	-0.4164	116.52	-4.228	-32.300	-0.4171840	0.126681	0.0008
721113142040	-0.2781	118.23	-5.635	-34.983	-0.2810155	0.151679	-0.0029
721113142110		119.09	-6.334	-36.328	-0.2157510	0.126866	
721113142140	-0.1705	119.94	-7.028	-37.675	-0.1657349	0.089933	-0.0048
721113142210		120.80	-7.718	-39.025	-0.1326191	0.053610	
721113142240	-0.1129	121.65	-8.403	-40.377	-0.1158195	0.019959	0.0029
721113142340	-0.1226	123.35	-9.757	-43.094	-0.1233911	-0.033219	0.0008
721113142410		124.20	-10.425	-44.458	-0.1434188	-0.052745	
721113142440	-0.1721	125.04	-11.087	-45.828	-0.1690291	-0.052364	-0.0031
721113142510		125.88	-11.742	-47.201	-0.1863654	-0.016876	
721113142540	-0.1799	126.72	-12.390	-48.581	-0.1826985	0.031068	0.0028
721113142640	-0.1221	128.37	-13.662	-51.356	-0.1206973	0.096443	-0.0014
721113142710		129.19	-14.287	-52.753	-0.0717508	0.113871	
721113142740	-0.0167	130.00	-14.902	-54.156	-0.0173533	0.119610	0.0007
721113142810		130.81	-15.509	-55.566	0.0366613	0.112153	
721113142840	0.0847	131.60	-16.106	-56.984	0.0859022	0.102727	-0.0012
721113142940	0.1844	133.17	-17.270	-59.840	0.1820198	0.111634	0.0024
721113143010		133.94	-17.836	-61.279	0.2374429	0.129972	
721113143040	0.2979	134.70	-18.392	-62.727	0.3007613	0.140068	-0.0029
721113143110		135.45	-18.936	-64.182	0.3628151	0.124426	
721113143140	0.4158	136.19	-19.468	-65.646	0.4139345	0.097617	0.0019
721113143240	-0.4829	137.63	-20.496	-68.598	0.4829727	0.054185	-0.0001
721113143310		138.34	-20.990	-70.087	0.5040234	0.037563	
721113143340	0.5170	139.02	-21.472	-71.585	0.5182646	0.024885	-0.0013
721113143370		139.71	-21.939	-73.091	0.276898	0.016688	
721113143440	0.5337	140.37	-22.393	-74.606	0.3316784	-0.004477	0.0020
721113143540	0.4726	141.65	-23.256	-77.662	0.4752209	-0.138096	-0.0026
721113143610		142.28	-23.666	-79.203	0.3866622	-0.250566	
721113143640	0.2488	142.88	-24.059	-80.753	0.2465506	-0.345596	0.0022
721113143710		143.47	-24.437	-82.310	0.0775901	-0.375371	
721113143740	-0.0927	144.04	-24.799	-83.876	0.0932056	-0.360659	0.0005
721113143840	-0.3918	145.14	-25.473	-87.031	-0.3871161	-0.260156	-0.0047
721113143910		145.67	-25.784	-88.620	-0.4883420	-0.174352	
721113143940	-0.5430	146.17	-26.078	-90.217	-0.5495728	-0.098037	0.0066

721113144010		146.66	-26.354	-91.820	-0.5854213	-0.064348	
721113144040	-0.6154	147.12	-26.612	-93.430	-0.6115938	-0.047575	-0.0038
721113144140	-0.6319	148.01	-27.074	-96.668	-0.6305279	0.012447	-0.0014
721113144210		148.43	-27.277	-98.295	-0.6151341	0.055702	
721113144240	-0.5720	148.82	-27.461	-99.927	-0.5763633	0.116732	0.0044
721113144310		149.20	-27.626	-101.564	-0.5032223	0.204536	
721113144340	-0.3912	149.55	-27.772	-103.205	-0.3879076	0.289754	-0.0033
721113144440	-0.0757	150.20	-28.006	-106.496	-0.0760217	0.364528	0.0003
721113144510		150.51	-28.093	-108.146	0.0911075	0.354070	
721113144540	0.2469	150.77	-28.161	-109.798	0.2453294	0.307317	0.0016
721113144610		151.04	-28.209	-111.450	0.3686000	0.219839	
721113144640	0.4452	151.26	-28.237	-113.104	0.4467607	0.122178	-0.0016
721113144740	0.4920	151.67	-28.234	-116.411	0.4912621	-0.012251	0.0007
721113144810		151.85	-28.203	-118.063	0.4763377	-0.049009	
721113144840	0.4489	151.99	-28.152	-119.715	0.4490635	-0.065934	-0.0002
721113144940	0.3934	152.22	-27.992	-123.009	0.3933940	-0.041749	0.0000

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721113173830	0.6113	95.15	25.093	93.273	0.6112587	0.111271	0.0000
721113173930	0.5830	94.08	25.770	89.926	0.5841140	-0.136106	-0.0011
721113174030		93.58	26.080	88.238	0.5084033	-0.183383	
721113174030	0.4239	93.09	26.370	86.540	0.4188693	-0.204123	0.0050
721113174130	0.2028	92.18	26.891	83.117	0.2135348	-0.239210	-0.0107
721113174230		91.75	27.121	81.394	0.0997025	-0.253556	
721113174230	-0.0035	91.34	27.329	79.663	-0.0165146	-0.241426	0.0130
721113174330		90.95	27.517	77.924	-0.1154005	-0.178477	
721113174330	-0.1856	90.58	27.683	76.180	-0.1774672	-0.090534	-0.0081
721113174430	-0.1813	89.91	27.949	72.675	-0.1807541	0.082861	-0.0005
721113174530		89.60	28.049	70.915	-0.1227414	0.168312	
721113174530	-0.0281	89.32	28.127	69.153	-0.0333597	0.201660	0.0053
721113174630		89.05	28.183	67.387	0.0475554	0.131635	
721113174630	0.0808	88.81	28.215	65.620	0.0831795	0.029074	-0.0024
721113174730	0.0526	88.40	28.213	62.082	0.0565877	-0.061135	-0.0040
721113174830		88.23	28.178	60.314	0.0297406	-0.048783	
721113174830	0.0196	88.07	28.121	58.546	0.0133579	-0.024641	0.0062
721113174930		87.93	28.025	56.486	0.0035555	-0.015089	
721113174940	-0.0059	87.81	27.898	54.431	-0.0038511	-0.010851	-0.0020
721113175050	-0.0047	87.67	27.555	50.337	0.0008828	0.025929	-0.0056
721113175120		87.65	27.372	48.591	0.0188982	0.053250	
721113175150	0.0607	87.65	27.167	46.851	0.0499605	0.080005	0.0107
721113175220		87.67	26.941	45.118	0.0915393	0.098729	
721113175250	0.1285	87.72	26.693	43.392	0.1377426	0.095496	-0.0092

721113175350	0.1887	87.88	26.137	39.964	0.1842938	-0.018582	0.0044
721113175420		88.00	25.829	38.263	0.1514922	-0.129472	
721113175450	0.0563	88.13	25.501	36.571	0.0564196	-0.294618	-0.0001
721113175520		88.30	25.154	34.690	-0.1318115	-0.532736	
721113175550	-0.4342	88.48	24.789	33.218	-0.4298662	-0.734553	-0.0043
721113175650	-1.1286	88.91	24.003	29.906	-1.1380501	-0.702530	0.0095
721113175720		89.16	23.584	28.266	-1.4140412	-0.468548	
721113175750	-1.5659	89.43	23.148	26.637	-1.5560288	-0.139015	-0.0099
721113175820		89.73	22.696	25.020	-1.5352293	0.236782	
721113175850	-1.3398	90.04	22.228	23.414	-1.3393431	0.600287	-0.0005
721113175950	-0.5082	90.73	21.246	20.236	-0.5250986	1.116473	0.0169
72111318020		91.11	20.733	18.664	0.0284265	1.269084	
72111318050	0.5982	91.51	20.206	17.103	0.6228728	1.266805	-0.0247
72111318120		91.92	19.666	15.554	1.1612740	1.025059	
72111318150	1.5685	92.36	19.113	14.016	1.5533558	0.678919	0.0151
72111318320		93.79	17.383	9.468	1.8690951	-0.177421	
72111318450	1.2723	95.38	15.555	5.014	1.2848260	-0.551088	-0.0125
72111318520		95.94	14.926	3.550	1.0341036	-0.521963	
72111318550	0.8215	96.52	14.289	2.095	0.8069738	-0.466091	0.0145
72111318650	0.4008	97.73	12.990	-0.788	0.4030766	-0.424304	-0.0023
72111318720		98.36	12.329	-2.217	0.2047762	-0.438414	
72111318750	0.0007	99.01	11.661	-3.637	0.0080891	-0.388674	-0.0074
72111318820		99.67	10.987	-5.050	-0.1308306	-0.187786	
72111318850	-0.1536	100.34	10.307	-6.455	-0.1605369	0.044326	0.0069
72111318950	-0.0026	101.72	8.930	-9.244	-0.0005490	0.243215	-0.0021
721113181020		102.44	8.235	-10.629	0.1074823	0.209907	
721113181050	0.1874	103.16	7.536	-12.008	0.1885274	0.145714	-0.0011
721113181120		103.89	6.832	-13.382	0.2461259	0.108194	
721113181150	0.2905	104.64	6.126	-14.750	0.2892747	0.076136	0.0012
721113181250	0.3129	106.16	4.705	-17.473	0.3129237	-0.035460	0.0000
721113181320		106.94	3.991	-18.829	0.2787891	-0.115013	
721113181350	0.2070	107.72	3.276	-20.181	0.2078304	-0.187463	-0.0008
721113181420		108.51	2.560	-21.530	0.1102915	-0.229976	
721113181450	0.0006	109.31	1.842	-22.876	-0.0005027	-0.246411	0.0011
721113181550	-0.2205	110.93	0.407	-25.562	-0.2193415	-0.212822	-0.0012
721113181620		111.75	-0.310	-26.903	-0.3069186	-0.162775	
721113181650	-0.3659	112.57	-1.027	-28.243	-0.3668076	-0.094255	0.0009
721113181720		113.40	-1.742	-29.582	-0.3916483	-0.010854	
721113181750	-0.3778	114.23	-2.456	-30.921	-0.3779343	0.065451	0.0001
721113181850	-0.2799	115.91	-3.877	-33.600	-0.2782303	0.131194	-0.0017
721113181920		116.75	-4.583	-34.941	-0.2189753	0.120605	
721113181950	-0.1667	117.59	-5.287	-36.283	-0.1691096	0.095432	0.0024
721113182020		118.44	-5.987	-37.627	-0.1308941	0.070043	
721113182050	-0.1063	119.28	-6.683	-38.973	-0.1047332	0.042689	-0.0016
721113182150	-0.0947	120.97	-8.062	-41.674	-0.0946157	-0.023274	-0.0001
721113182220		121.81	-8.744	-43.029	-0.1141347	-0.061887	
721113182250	-0.1480	122.65	-9.421	-44.388	-0.1491354	-0.083481	0.0011
721113182320		123.50	-10.092	-45.751	-0.1854058	-0.067306	
721113182350	-0.2094	124.33	-10.756	-47.119	-0.2082470	-0.031371	-0.0012
721113182450	-0.2014	125.99	-12.066	-49.868	-0.2021210	0.045819	0.0007
721113182520		126.82	-12.710	-51.251	-0.1715640	0.087676	
721113182550	-0.1241	127.63	-13.346	-52.639	-0.1239483	0.113879	-0.0002
721113182620		128.45	-13.974	-54.034	-0.0710676	0.110033	
721113182650	-0.0247	129.26	-14.594	-55.434	-0.0237738	0.096908	-0.0009
721113182750	0.0690	130.85	-15.806	-58.256	0.0666143	0.106936	0.0024
721113182820		131.64	-16.398	-59.678	0.1208795	0.130101	
721113182850	0.1837	132.41	-16.980	-61.106	0.1868334	0.153871	-0.0031
721113182920		133.18	-17.551	-62.543	0.2612991	0.166785	
721113182950	0.3413	133.94	-18.112	-63.987	0.3387936	0.166433	0.0025
721113183050	0.4741	135.43	-19.199	-66.900	0.4752801	0.118757	-0.0012
721113183120		136.16	-19.725	-68.368	0.5197934	0.071416	
721113183150	0.5430	136.87	-20.238	-69.845	0.5429946	0.035539	0.0000
721113183220		137.58	-20.739	-71.331	0.5585386	0.038211	
721113183250	0.5800	138.27	-21.227	-72.825	0.5787650	0.044067	0.0012
721113183350	0.5875	139.62	-22.161	-75.839	0.5901799	-0.040810	-0.0027
721113183420		140.27	-22.607	-77.360	0.5516165	-0.131575	

721113183450	0.4704	140.91	-23.039	-78.888	0.4673296	-0.231269	0.0031
721113183520		141.54	-23.455	-80.426	0.3402452	-0.316748	
721113183550	0.1786	142.14	-23.856	-81.972	0.1797647	-0.370408	-0.0012
721113183650	-0.1607	143.32	-24.611	-85.089	-0.1586957	-0.329820	-0.0020
721113183720		143.88	-24.964	-96.659	-0.2911302	-0.235523	
721113183750	-0.3724	144.43	-25.301	-88.238	-0.3759783	-0.139885	0.0036
721113183820		144.96	-25.620	-89.824	-0.4274447	-0.090777	
721113183850	-0.4655	145.47	-25.922	-91.418	-0.4635104	-0.065758	-0.0020
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721113184020		146.91	-26.722	-96.239	-0.5074806	-0.000080	
721113184050	-0.4972	147.35	-26.953	-97.859	-0.5002045	0.037684	0.0030
721113184120		147.78	-27.164	-99.484	-0.4670584	0.111952	
721113184150	-0.3980	148.18	-27.357	-101.115	-0.3956507	0.193983	-0.0023
721113184250	-0.1625	148.94	-27.686	-104.389	-0.1632701	0.295429	0.0008
721113184420		149.92	-28.035	-109.328	0.2645363	0.290938	
721113184550	0.5437	150.72	-28.206	-114.286	0.5437430	0.072176	0.0000
721113184620		150.95	-28.224	-115.940	0.5489119	-0.054248	
721113184650	0.4998	151.16	-28.222	-117.594	0.4997897	-0.140914	0.0000
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721114 13729	0.7182	96.20	25.281	88.324	0.7188611	-0.209918	-0.0008
721114 13759		95.67	25.621	86.654	0.6118825	-0.242690	
721114 13829	0.5031	95.15	25.942	84.973	0.4996639	-0.244317	0.0034
721114 13929	0.2596	94.17	26.526	81.583	0.2669111	-0.263327	-0.0073
721114 13959		93.70	26.788	79.874	0.1415272	-0.280711	
721114 14029	0.0223	93.26	27.029	78.157	0.0139186	-0.257773	0.0084
721114 14059		92.83	27.250	76.432	-0.0832720	-0.148941	
721114 14129	-0.1233	92.42	27.450	74.699	-0.1200162	-0.016773	-0.0033
721114 14229	-0.0609	91.66	27.786	71.215	-0.0557204	0.129888	-0.0052
721114 14259		91.31	27.922	69.464	0.0091009	0.144381	
721114 14329	0.0799	90.98	28.035	67.709	0.0711398	0.116926	0.0088
721114 14359		90.68	28.126	65.950	0.1101912	0.044799	
721114 14429	0.1094	90.39	28.195	64.187	0.1115901	-0.033277	-0.0022
721114 14529	0.0344	89.87	28.265	60.656	0.0440720	-0.091120	-0.0097
721114 14559		89.65	28.266	58.889	0.0054140	-0.070885	
721114 14629	-0.0050	89.45	28.244	57.122	-0.0202997	-0.043627	0.0153
721114 14659		89.26	28.200	55.355	-0.0377515	-0.035094	
721114 14729	-0.0619	89.10	28.133	53.590	-0.0535992	-0.032375	-0.0083
721114 14829	-0.0785	88.85	27.932	50.067	-0.0733354	-0.005642	-0.0052
721114 14859		88.75	27.798	48.311	-0.0706701	0.018371	
721114 14929	-0.0432	88.68	27.643	46.559	-0.0562062	0.043462	0.0130

721114 14959		88.63	27.465	44.813	-0.0312991	0.063611	
721114 15029	-0.0113	88.60	27.266	43.073	-0.0008681	0.061679	-0.0104
721114 15129	0.0150	88.61	26.803	39.612	0.0120475	-0.059851	0.0030
721114 15159		88.65	26.541	37.892	-0.0416836	-0.179449	
721114 15229	-0.1587	88.71	26.258	36.182	-0.1618726	-0.352486	0.0032
721114 15259		88.80	25.955	34.479	-0.3775682	-0.593183	
721114 15329	-0.7109	88.90	25.633	32.786	-0.7026971	-0.789057	-0.0082
721114 15429	-1.4293	89.18	24.930	29.429	-1.4426867	-0.708890	0.0134
721114 15459		89.35	24.551	27.766	-1.7122979	-0.432849	
721114 15529	-1.8421	89.54	24.154	26.113	-1.8297759	-0.075021	-0.0133
721114 15559		89.75	23.740	24.471	-1.7806052	0.289073	
721114 15629	-1.5700	89.99	23.308	22.840	-1.5663660	0.630366	-0.0036
721114 15729	-0.6970	90.52	22.396	19.612	-0.7250541	1.157334	0.0281
721114 15759		90.82	21.916	18.015	-0.1458784	1.343010	
721114 15829	0.4575	91.14	21.421	16.429	0.4909200	1.372026	-0.0334
721114 15859		91.48	20.912	14.855	1.0807623	1.139596	
721114 15929	1.5215	91.84	20.389	13.292	1.5249748	0.788880	-0.0035
721114 2 029	2.0092	92.61	19.302	10.200	1.9563565	0.162077	0.0528
721114 2 059		93.03	18.740	8.671	1.9664956	-0.114009	
721114 2 129	1.8104	93.47	18.165	7.152	1.8581166	-0.344405	-0.0477
721114 2 249		94.72	16.579	3.155	1.2074971	-0.633671	
721114 2 4 9	0.4595	96.10	14.920	-0.770	0.4336350	-0.592032	0.0259
721114 2 5 9	-0.0508	97.21	13.635	-3.669	-0.0495584	-0.436858	-0.0012
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721114 2 6 9	-0.3740	98.38	12.318	-6.533	-0.3395231	-0.169613	-0.0345
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721114 2 839		101.57	8.913	-13.558	-0.0161537	0.133303	
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721114 21439		110.38	0.373	-29.874	-0.3047631	-0.060047	
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721114 21539		111.96	-1.063	-32.555	-0.2639274	0.083415	
721114 216 9	-0.2198	112.76	-1.780	-33.895	-0.2189208	0.108540	-0.0009
721114 217 9	-0.1092	114.37	-3.208	-36.574	-0.1148600	0.104876	0.0057
721114 21739		115.18	-3.919	-37.915	-0.0723975	0.076094	
721114 218 9	-0.0542	116.00	-4.627	-39.256	-0.0461450	0.037271	-0.0081
721114 21839		116.81	-5.332	-40.599	-0.0383024	-0.003644	
721114 219 9	-0.0434	117.63	-6.033	-41.944	-0.0490297	-0.004125	0.0056
721114 220 9	-0.1139	119.27	-7.424	-44.641	-0.1131323	-0.091833	-0.0008
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721114 221 9	-0.2084	120.90	-8.796	-47.350	-0.2061990	-0.095461	-0.0022
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721114 22339		124.97	-12.124	-54.196	-0.1758270	0.080096	
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721114 22439		126.57	-13.406	-56.970	-0.1048649	0.068241	
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721114 22639		129.71	-15.871	-62.595	0.0909339	0.209551	
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721114 22739		131.24	-17.046	-65.449	0.3133409	0.218063	
721114 228 9	0.3974	131.99	-17.618	-66.888	0.3984637	0.153016	-0.0011
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721114 22939		134.28	-19.268	-71.252	0.5327052	0.069278	
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721114	232 9	0.4580	137.67	-21.772	-78.694	0.4402348	-0.209912	0.0178
721114	23239		138.33	-22.233	-80.209	0.3247864	-0.291042	
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721114	23444		140.93	-23.993	-86.613	-0.3246790	-0.256794	
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721114	23749		144.32	-26.087	-96.354	-0.5354524	-0.016645	
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721114	23849		145.29	-26.624	-99.573	-0.5298550	0.073526	
721114	23919	-0.4665	145.74	-26.866	-101.192	-0.4714565	0.176351	0.0050
721114	24019	-0.2353	146.61	-27.293	-104.448	-0.2338950	0.325690	-0.0014
721114	24049		147.02	-27.478	-106.083	-0.0720572	0.372197	
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721114	24149		147.77	-27.791	-109.368	0.2649598	0.313459	
721114	24219	0.3890	148.12	-27.918	-111.015	0.3877466	0.218945	0.0013
721114	24319	0.5049	148.76	-28.114	-114.319	0.5054976	0.037876	-0.0006
721114	24349		149.05	-28.182	-115.974	0.5029017	-0.048678	
721114	24419	0.4649	149.32	-28.231	-117.630	0.4647675	-0.107860	0.0001
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CONFAC = 1.083000

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721114	53550	0.5290	98.09	24.467	89.782	0.5289992	0.021536	0.0000
721114	53650	0.4399	96.97	25.205	86.480	0.4399207	-0.183666	0.0000
721114	53720		96.43	25.547	84.812	0.3456615	-0.216936	
721114	53750	0.2438	95.91	25.871	83.135	0.2437079	-0.223586	0.0001
721114	53850	0.0385	94.91	26.460	79.750	0.0386676	-0.215858	-0.0002
721114	53920		94.44	26.725	78.044	-0.0579458	-0.201477	
721114	53950	-0.1414	93.99	26.969	76.330	-0.1409355	-0.145288	-0.0005
721114	54020		93.55	27.193	74.608	-0.1803013	-0.012465	
721114	54050	-0.1490	93.13	27.396	72.878	-0.1519920	0.123339	0.0030
721114	54150	0.0046	92.36	27.738	69.399	0.0112090	0.183065	-0.0066
721114	54220		92.00	27.877	67.651	0.0808825	0.106968	
721114	54250	0.1140	91.66	27.993	65.898	0.1079317	0.017542	0.0061
721114	54320		91.34	28.088	64.141	0.1038413	-0.027933	
721114	54350	0.0871	91.03	28.160	62.381	0.0861188	-0.047558	0.0010
721114	54450	0.0280	90.49	28.237	58.853	0.0324068	-0.063630	-0.0044
721114	54635		89.75	28.155	52.674	-0.0457928	-0.017380	
721114	54820	-0.0044	89.27	27.798	46.516	-0.0134377	0.048040	0.0090
721114	54850		89.18	27.646	44.765	0.0108469	0.056388	
721114	54920	0.0214	89.11	27.472	43.019	0.0358744	0.046839	-0.0145
721114	55020	0.0473	89.04	27.060	39.545	0.0366977	-0.065854	0.0106

721114	55050		89.04	26.822	37.818	-0.0163199	-0.169005	
721114	55120	-0.1341	89.06	26.564	36.098	-0.1287423	-0.333188	-0.0054
721114	55150		89.10	26.285	34.387	-0.3379739	-0.588301	
721114	55220	-0.6645	89.16	25.986	32.684	-0.6660159	-0.804879	0.0015
721114	55320	-1.4261	89.35	25.329	29.306	-1.4283032	-0.734282	0.0022
721114	55350		89.48	24.972	27.632	-1.7074842	-0.447065	
721114	55420	-1.8305	89.63	24.597	25.968	-1.8281331	-0.075468	-0.0024
721114	55450		89.80	24.203	24.314	-1.7770095	0.297072	
721114	55520	-1.5639	89.99	23.793	22.671	-1.5582927	0.640691	-0.0056
721114	55620	-0.6945	90.44	22.920	19.417	-0.7125921	1.151990	0.0181
721114	55650		90.70	22.459	17.807	-0.1397444	1.319657	
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721114	55750		91.27	21.491	14.621	1.0791013	1.182391	
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721114	55920	2.1104	92.28	19.931	9.927	2.0880857	0.234099	0.0223
721114	55950		92.65	19.384	8.385	2.1117606	-0.136048	
721114	6 020	1.9506	93.04	18.824	6.854	1.9683796	-0.467848	-0.0178
721114	6 235		95.05	16.163	0.096	0.4140582	-0.678682	
721114	6 450	-0.2537	97.40	13.304	-6.461	-0.2708242	-0.050807	0.0171
721114	6 550	-0.2731	98.55	11.981	-9.318	-0.2448932	0.093113	-0.0282
721114	6 620		99.15	11.309	-10.734	-0.1916885	0.133890	
721114	6 650	-0.1036	99.76	10.631	-12.143	-0.1254807	0.147277	0.0219
721114	6 720		100.38	9.948	-13.544	-0.0609281	0.126683	
721114	6 750	-0.0201	101.02	9.259	-14.939	-0.106834	0.091934	-0.0094
721114	6 850	0.0443	102.33	7.866	-17.710	0.0482204	0.039428	-0.0039
721114	6 920		103.01	7.164	-19.086	0.0621078	0.021673	
721114	6 950	0.0786	103.70	6.458	-20.458	0.0670183	-0.003975	0.0116
721114	61020		104.40	5.750	-21.824	0.0551334	-0.051084	
721114	61050	0.0110	105.10	5.038	-23.186	0.0202083	-0.095873	-0.0092
721114	61150	-0.0794	106.55	3.609	-25.899	-0.0815720	-0.107191	0.0022
721114	61220		107.29	2.892	-27.250	-0.1243385	-0.073714	
721114	61250	-0.1454	108.03	2.174	-28.598	-0.1480931	-0.030198	0.0027
721114	61320		108.79	1.455	-29.945	-0.1531436	0.007319	
721114	61350	-0.1461	109.55	0.736	-31.289	-0.1420200	0.040392	-0.0041
721114	61450	-0.0731	111.09	-0.701	-33.973	-0.0772819	0.097913	0.0042
721114	61520		111.87	-1.418	-35.314	-0.0263201	0.122361	
721114	61550	0.0279	112.65	-2.134	-36.654	0.0315015	0.119523	-0.0036
721114	61620		113.44	-2.848	-37.995	0.0760862	0.064989	
721114	61650	0.0907	114.23	-3.559	-39.336	0.0889881	-0.005948	0.0017
721114	619 5		117.83	-6.726	-45.388	-0.0785144	-0.091588	
721114	62120	-0.1659	121.45	-9.805	-51.494	-0.1644398	0.006352	-0.0015
721114	62150		122.26	-10.474	-52.862	-0.1569268	0.026068	
721114	62220	-0.1388	123.06	-11.137	-54.234	-0.1411746	0.040559	0.0034
721114	62320	-0.1023	124.65	-12.441	-56.994	-0.1007881	0.040453	-0.0015
721114	62350		125.44	-13.083	-58.383	-0.0851080	0.025852	
721114	62420	-0.0726	126.23	-13.716	-59.777	-0.0727626	0.038245	0.0002
721114	62450		127.01	-14.341	-61.178	-0.0399907	0.114330	
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721114	62620	0.2457	129.32	-16.162	-65.421	0.2491345	0.235711	-0.0034
721114	62650		130.08	-16.749	-66.849	0.3482682	0.186213	
721114	62720	0.4236	130.83	-17.327	-68.286	0.4192310	0.124709	0.0044
721114	62750		131.57	-17.893	-69.730	0.4666417	0.084155	
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721114	62920	0.5244	133.74	-19.525	-74.110	0.5233482	-0.000372	0.0011
721114	62950		134.45	-20.045	-75.587	0.5172071	-0.026019	
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721114	63050		135.83	-21.047	-78.567	0.4265647	-0.217445	
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721114	63220	-0.0746	137.82	-22.448	-83.102	-0.0791953	-0.410995	0.0046
721114	63250		138.46	-22.887	-84.631	-0.2550984	-0.339647	
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721114	63350		139.70	-23.718	-87.715	-0.4764102	-0.145059	
721114	63420	-0.5222	140.29	-24.111	-89.270	-0.5249759	-0.070118	0.0028
721114	63520	-0.5501	141.44	-24.848	-92.404	-0.5513975	-0.006222	0.0013
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721114	63620	-0.5703	142.54	-25.519	-95.571	-0.5667436	-0.024404	-0.0036

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721114	63820	-0.4299	144.54	-26.650	-101.992	-0.4303254	0.226821	0.0004
721114	63850		145.00	-26.888	-103.613	-0.3011047	0.335852	
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721114	64150		147.39	-27.917	-113.448	0.6874859	0.151372	
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JEPOCH = 72, 11, 14, 10, 0,

STATE = 1857.795 1.6327940E-02, 151.6140, 145.5302,

108.5283 29.73700

COORD = 1,

TSTATE = 1733.675 110.7433, 579.5657, 0.3045030,

-1.511852 -0.5804071

LONEP = 999.0000

REFEP = 6*0

DUTSEC = 0.0000000E+00,

TRANSA = 0.0000000E+00,

TRANSB = 0.0000000E+00,

GM = 4902.780

ERAD = 386395.0

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ELON = -7.740021, 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DIFIT = 0.2000000

CONCAC = 1.083000

#END

EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz	
721114	93459	0.8271	99.23	24.447	88.481	0.8271170	-0.213995	0.0000
721114	93559	0.6187	98.08	25.201	85.188	0.6182393	-0.245937	0.0005
721114	93629		97.52	25.552	83.525	0.4975439	-0.278791	
721114	93659	0.3602	96.98	25.884	81.851	0.3622810	-0.302115	-0.0021
721114	93759	0.0989	95.96	26.490	78.474	0.0944428	-0.257812	0.0045
721114	93829		95.46	26.763	76.771	-0.0101392	-0.190185	
721114	93859	-0.0826	94.99	27.016	75.059	-0.0768161	-0.094288	-0.0058
721114	93929		94.54	27.249	73.340	-0.0931653	0.027834	
721114	93959	-0.0492	94.10	27.461	71.612	-0.0543551	0.128904	0.0052
721114	94059	0.0808	93.28	27.821	68.137	0.0843870	0.126059	-0.0036
721114	94129		92.89	27.958	66.390	0.1212271	0.022144	
721114	94159	0.1080	92.53	28.094	64.638	0.1055544	-0.077090	0.0024
721114	94229		92.19	28.197	62.881	0.0620013	-0.098634	
721114	94259	0.0182	91.86	28.278	61.121	0.0201116	-0.083583	-0.0019
721114	94359	-0.0465	91.27	28.373	57.593	-0.0480163	-0.066983	0.0015
721114	94429		91.01	28.386	55.827	-0.0784103	-0.065434	
721114	94459	-0.1081	90.76	28.376	54.060	-0.1076120	-0.058534	-0.0005
721114	94529		90.54	28.345	52.293	-0.1301185	-0.036430	
721114	94559	-0.1430	90.34	28.290	50.527	-0.1405537	-0.009800	-0.0024
721114	94659	-0.1250	89.99	28.113	47.002	-0.1316370	0.025014	0.0066
721114	94729		89.85	27.991	45.244	-0.1179629	0.033197	
721114	94759	-0.1109	89.73	27.847	43.490	-0.1022225	0.033332	-0.0087
721114	94829		89.64	27.680	41.740	-0.0887160	0.023520	
721114	94859	-0.0797	89.56	27.492	39.997	-0.0861621	-0.023052	0.0065
721114	94959	-0.2210	89.47	27.052	36.529	-0.2189323	-0.306910	-0.0021
721114	95029		89.46	26.800	34.805	-0.4129562	-0.544197	
721114	95059	-0.7166	89.47	26.527	33.090	-0.7155902	-0.743585	-0.0010

721114	95129		89.50	26.234	31.383	-1.0781059	-0.803605	
721114	95159	-1.4358	89.56	25.921	29.685	-1.4378986	-0.735556	0.0021
721114	95259	-1.9310	89.73	25.237	26.317	-1.9284586	-0.249151	-0.0025
721114	95329		89.85	24.867	24.648	-1.9514062	0.169203	
721114	95359	-1.7689	89.99	24.478	22.990	-1.7722896	0.587122	0.0034
721114	95429		90.14	24.072	21.342	-1.4273843	0.887401	
721114	95459	-0.9730	90.33	23.648	19.705	-0.9674068	1.093402	-0.0056
721114	95559	0.1647	90.75	22.751	16.465	0.1560172	1.292657	0.0087
721114	95629		90.99	22.278	14.862	0.7539833	1.285912	
721114	95659	1.3109	91.26	21.789	13.270	1.3204918	1.130449	-0.0096
721114	95729		91.54	21.286	11.689	1.7629358	0.748465	
721114	95759	2.0072	91.85	20.769	10.120	2.0014591	0.300617	0.0057
721114	95859	1.9684	92.51	19.692	7.016	1.9676255	-0.310706	0.0008
721114	95929		92.88	19.135	5.481	1.7827952	-0.474180	
721114	95959	1.5374	93.26	18.565	3.957	1.5427740	-0.553259	-0.0054
72111410	029		93.66	17.983	2.444	1.2833256	-0.558338	
72111410	059	1.0383	94.08	17.389	0.941	1.0311210	-0.538110	0.0072
72111410	159	0.5197	94.97	16.171	-2.033	0.5277386	-0.567807	-0.0080
72111410	229		95.44	15.547	-3.505	0.2549683	-0.617732	
72111410	259	-0.0233	95.93	14.914	-4.967	-0.0307870	-0.590565	0.0075
72111410	329		96.43	14.271	-6.420	-0.2630098	-0.385829	
72111410	359	-0.3836	96.96	13.621	-7.864	-0.3800622	-0.135709	-0.0035
72111410	459	-0.3704	98.05	12.296	-10.725	-0.3679276	0.104125	-0.0025
72111410	529		98.62	11.624	-12.144	-0.3188900	0.093839	
72111410	559	-0.2796	99.20	10.945	-13.554	-0.2854490	0.056465	0.0058
72111410	629		99.80	10.259	-14.958	-0.2617313	0.051718	
72111410	659	-0.2405	100.41	9.569	-16.354	-0.2361091	0.057275	-0.0044
72111410	759	-0.1901	101.68	8.173	-19.127	-0.1910364	0.032342	0.0009
72111410	837		102.49	7.292	-20.849	-0.1830084	-0.007649	
72111410	914	-0.1979	103.33	6.405	-22.562	-0.1989468	-0.042867	0.0010
72111410	952		104.18	5.514	-24.267	-0.2270377	-0.049765	
721114101029		-0.2542	105.05	4.618	-25.966	-0.2527656	-0.037846	-0.0014
721114101129		-0.2706	106.47	3.179	-28.672	-0.2717979	0.000595	0.0012
721114101159			107.19	2.457	-30.021	-0.2652515	0.028757	
721114101229		-0.2455	107.92	1.735	-31.367	-0.2449307	0.058961	-0.0006
721114101259			108.66	1.012	-32.711	-0.2110982	0.087290	
721114101329		-0.1659	109.41	0.290	-34.053	-0.1653378	0.109081	-0.0006
721114101429		-0.0545	110.93	-1.154	-36.734	-0.0565632	0.119055	0.0021
721114101459			111.69	-1.874	-38.074	-0.0838942	0.107240	
721114101529		0.0378	112.47	-2.592	-39.414	0.0406421	0.083626	-0.0028
721114101559			113.24	-3.309	-40.754	0.0714160	0.047621	
721114101629		0.0860	114.03	-4.023	-42.095	0.0837616	0.006882	0.0022
721114101729		0.0515	115.60	-5.443	-44.781	0.0524521	-0.073814	-0.0010
721114101759			116.39	-6.147	-46.126	0.0100224	-0.110571	
721114101829		-0.0459	117.19	-6.848	-47.474	-0.0460935	-0.125053	0.0002
721114101859			117.98	-7.544	-48.825	-0.0985490	-0.094713	
721114101929		-0.1311	118.78	-8.236	-50.179	-0.1306915	-0.045810	-0.0004
721114102029		-0.1351	120.37	-9.603	-52.899	-0.1361257	0.020910	0.0010
721114102059			121.16	-10.278	-54.264	-0.1165229	0.054727	
721114102129		-0.0891	121.96	-10.947	-55.635	-0.0887509	0.060024	-0.0003
721114102159			122.75	-11.689	-57.018	-0.0662302	0.031970	
721114102229		-0.0620	123.54	-12.264	-58.391	-0.0503622	0.009529	-0.0036
721114102329		-0.0128	125.11	-13.552	-61.170	-0.0223115	0.098249	0.0095
721114102359			125.88	-14.184	-62.569	0.0469269	0.209418	
721114102429		0.1568	126.66	-14.807	-63.974	0.1662900	0.209443	-0.0095
721114102459			127.43	-15.421	-65.386	0.2900005	0.263522	
721114102529		0.3989	128.20	-16.025	-66.805	0.4030195	0.194464	-0.0041
721114102559		0.5613	129.71	-17.205	-69.666	0.5409526	0.118000	0.0203
721114102659			130.45	-17.779	-71.108	0.5929311	0.118596	
721114102729		0.6263	131.19	-18.341	-72.558	0.6422546	0.097077	-0.0160
721114102914			133.70	-20.220	-77.690	0.6175040	-0.192167	
721114103059		0.0759	136.10	-21.941	-82.945	0.8642793	-0.402360	0.0116
721114103159		-0.2758	137.40	-22.848	-85.992	-0.2630774	-0.779039	-0.0119
721114103229			138.03	-23.280	-87.519	-0.3640682	-0.151001	
721114103259		-0.4038	138.66	-23.656	-89.074	-0.4064316	-0.042354	0.0026
721114103329			139.27	-24.097	-90.628	-0.4174415	-0.010723	

721114103359	-0.4282	139.87	-24.471	-92.191	-0.4297661	-0.033782	0.0016
721114103459	-0.4708	141.02	-25.702	-95.341	-0.4691414	-0.047963	-0.0017
721114103529		141.57	-25.536	-96.928	-0.4912867	-0.047085	
721114103559	-0.5066	142.12	-25.854	-98.522	-0.5078960	-0.015525	0.0013
721114103629		142.64	-26.154	-100.125	-0.4969958	0.072086	
721114103659	-0.4306	143.15	-26.436	-101.734	-0.4384583	0.178437	-0.0001
721114103759	-0.1970	144.12	-26.945	-104.972	-0.1954941	0.335425	-0.0015
721114103829		144.58	-27.172	-106.601	-0.0282315	0.386061	
721114103859	0.1558	145.03	-27.380	-108.235	0.1533664	0.387226	0.0024
721114103929		145.45	-27.569	-109.874	0.3169489	0.308018	
721114103959	0.4306	145.87	-27.738	-111.518	0.4326102	0.195228	-0.0020
721114104059	0.5239	146.63	-28.019	-114.817	0.5229579	0.089270	0.0009
721114104129		146.98	-28.130	-116.472	0.5098395	-0.063898	
721114104159	0.4678	147.33	-28.221	-118.128	0.4680086	-0.110740	-0.0002
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ROTR = 8.9400001E-03,
DIFIT = 0.2000000,
CONFAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
721114133319	0.7419	101.33	23.503	89.894	0.7418988	-0.017542	0.0000
721114133419	0.6128	100.10	24.330	86.652	0.6128333	-0.230133	0.0000
721114133449		99.50	24.718	85.014	0.4967813	-0.264697	
721114133519	0.3727	98.92	25.088	83.365	0.3725511	-0.272425	0.0001
721114133619	0.1199	97.80	25.775	80.036	0.1201884	-0.270282	-0.0003
721114133649		97.27	26.090	78.356	-0.0025283	-0.260414	
721114133719	-0.1137	96.75	26.386	76.666	-0.1133741	-0.205762	-0.0003
721114133749		96.24	26.662	74.967	-0.1796538	-0.067454	
721114133819	-0.1716	95.75	26.918	73.259	-0.1745399	0.078044	0.0029
721114133919	-0.0496	94.83	27.369	69.819	-0.0428557	0.160952	-0.0067
721114133949		94.39	27.563	68.087	0.0196719	0.098396	
721114134019	0.0524	93.97	27.736	66.349	0.0451061	0.017083	0.0073
721114134049		93.57	27.887	64.605	0.0403563	-0.032354	
721114134119	0.0182	93.19	28.016	62.856	0.0186181	-0.059770	-0.0004
721114134219	-0.0594	92.48	28.208	59.345	-0.0487382	-0.077908	-0.0107
721114134249		92.16	28.270	57.585	-0.0839871	-0.068796	
721114134319	-0.0946	91.85	28.310	55.822	-0.1108728	-0.050586	0.0163
721114134349		91.57	28.328	54.057	-0.1289025	-0.026557	
721114134419	-0.1466	91.30	28.323	52.292	-0.1354703	-0.003033	-0.0111
721114134519	-0.1233	90.83	28.245	48.763	-0.1239253	0.023476	0.0006
721114134549		90.63	28.172	47.001	-0.1121356	0.026463	
721114134619	-0.0939	90.44	28.077	45.240	-0.0989787	0.032775	0.0051
721114134649		90.28	27.959	43.483	-0.0797982	0.052573	
721114134719	-0.0561	90.14	27.820	41.730	-0.0538077	0.050446	-0.0023
721114134834	-0.1124	89.88	27.375	37.369	-0.1089520	-0.205725	-0.0034

721114134912		89.79	27.102	35.202	-0.2990756	-0.468160	
721114134949	-0.6360	89.75	26.796	33.047	-0.6430058	-0.697751	0.0070
721114135019		89.73	26.528	31.331	-0.9854988	-0.769543	
721114135049	-1.3412	89.74	26.240	29.623	-1.3361253	-0.727957	-0.0051
721114135149	-1.8339	89.82	25.603	26.235	-1.8327131	-0.262760	-0.0012
721114135219		89.89	25.256	24.555	-1.8611470	0.160787	
721114135249	-1.6783	89.98	24.891	22.885	-1.6842556	0.584066	0.0060
721114135319		90.09	24.507	21.225	-1.3415904	0.879204	
721114135349	-0.8955	90.23	24.105	19.576	-0.8871683	1.078474	-0.0083
721114135449	0.2339	90.56	23.249	16.310	0.2238815	1.285517	0.0100
721114135519		90.76	22.796	14.693	0.8215630	1.293322	
721114135549	1.3853	90.98	22.327	13.088	1.3952541	1.152796	-0.0100
721114135619		91.21	21.843	11.494	1.8502138	0.779539	
721114135649	2.1100	91.47	21.343	9.911	2.1041210	0.335481	0.0059
721114135749	2.1029	92.05	20.302	6.780	2.1023290	-0.278462	0.0006
721114135819		92.37	19.761	5.232	1.9310495	-0.448391	
721114135849	1.6964	92.71	19.207	3.694	1.7013586	-0.533420	-0.0050
721114135919		93.06	18.640	2.167	1.4505979	-0.539926	
721114135949	1.2130	93.44	18.061	0.652	1.2068462	-0.520228	0.0062
72111414 049	0.7104	94.24	16.871	-2.348	0.7165608	-0.559128	-0.0062
72111414 119		94.67	16.259	-3.833	0.4459352	-0.617714	
72111414 149	0.1618	95.12	15.638	-5.307	0.1561629	-0.611459	0.0056
72111414 219		95.59	15.007	-6.772	-0.0947000	-0.449457	
72111414 249	-0.2552	96.07	14.368	-8.228	-0.2514129	-0.239244	-0.0038
72111414 349	-0.3412	97.09	13.064	-11.112	-0.3422475	0.002889	0.0010
72111414 419		97.62	12.401	-12.541	-0.3312544	0.034840	
72111414 449	-0.3138	98.16	11.730	-13.962	-0.3151370	0.033912	0.0013
72111414 519		98.72	11.053	-15.375	-0.3009192	0.026627	
72111414 549	-0.2938	99.30	10.370	-16.781	-0.2909482	0.016762	-0.0029
72111414 649	-0.2811	100.50	8.986	-19.572	-0.2832875	0.000631	0.0022
72111414 834		102.71	6.526	-24.398	-0.2977239	-0.016051	
721114141019	-0.3096	105.08	4.025	-29.165	-0.3069258	0.019687	-0.0027
721114141049		105.77	3.306	-30.519	-0.2919436	0.046450	
721114141119	-0.2604	106.48	2.585	-31.869	-0.2640054	0.073395	0.0036
721114141219	-0.1802	107.93	1.142	-34.563	-0.1789092	0.106251	-0.0013
721114141249		108.66	0.421	-35.907	-0.1282262	0.112166	
721114141319	-0.0766	109.40	-0.301	-37.250	-0.0759893	0.113855	-0.0006
721114141349		110.15	-1.022	-38.592	-0.0233199	0.114095	
721114141419	0.0282	110.90	-1.741	-39.933	0.0279896	0.105420	0.0002
721114141519	0.1009	112.43	-3.175	-42.616	0.0996725	0.038925	0.0012
721114141549		113.20	-3.889	-43.959	0.1049278	-0.018006	
721114141619	0.0808	113.97	-4.600	-45.302	0.0824561	-0.075324	-0.0017
721114141649		114.75	-5.308	-46.648	0.0384515	-0.112282	
721114141719	-0.0178	115.53	-6.013	-47.995	-0.0176219	-0.226260	-0.0002
721114141819	-0.1154	117.10	-7.410	-50.696	-0.1106293	-0.074853	0.0032
721114141849		117.89	-8.101	-52.051	-0.1359556	-0.009482	
721114141919	-0.1338	118.68	-8.788	-53.410	-0.1295823	-0.041254	-0.0042
721114141949		119.47	-9.469	-54.773	-0.1096413	0.035791	
721114142019	-0.0987	120.26	-10.145	-56.139	-0.0994199	0.011989	0.0007
721114142119	-0.0858	121.03	-11.476	-58.887	-0.0909905	0.019991	0.0052
721114142149		122.62	-12.132	-60.269	-0.0755783	0.050787	
721114142219	-0.0483	123.40	-12.780	-61.656	-0.0407180	0.104418	-0.0076
721114142249		124.18	-13.421	-63.049	0.0247088	0.183318	
721114142319	0.1296	124.96	-14.053	-64.448	0.1270134	0.252597	0.0026
721114142419	0.3829	126.50	-15.292	-67.266	0.3768137	0.259081	0.0061
721114142449		127.27	-15.997	-68.686	0.4835950	0.196387	
721114142519	0.5514	128.03	-16.493	-70.113	0.5560887	0.125688	-0.0054
721114142549		128.78	-17.079	-71.547	0.6040807	0.083992	
721114142619	0.6266	129.52	-17.654	-72.989	0.6357109	0.051120	-0.0091
721114142719	0.6539	131.00	-18.770	-75.898	0.6405531	-0.040664	0.0133
7211141429 4		133.49	-20.610	-81.069	0.3543618	-0.328932	
721114143049	-0.2791	135.87	-22.209	-86.346	-0.2583223	-0.305982	-0.0208
721114143119		136.53	-22.737	-87.874	-0.3682546	-0.161134	
721114143149	-0.3823	137.17	-23.170	-89.410	-0.4078771	-0.022023	0.0255
721114143249	-0.3799	138.42	-23.991	-92.509	-0.3756536	-0.044725	0.0042
721114143324		139.13	-24.440	-94.333	-0.3718371	-0.046550	

721114143359	-0.4345	139.82	-24.867	-96.167	-0.4227398	-0.120847	-0.0118
721114143434		140.49	-25.272	-98.014	-0.4787093	-0.065261	
7211141435 9	-0.4700	141.14	-25.653	-99.870	-0.4817218	0.053493	0.0117
7211141436 9	-0.3454	142.21	-26.251	-103.076	-0.3412652	0.249032	-0.0041
721114143639		142.73	-26.523	-104.689	-0.2044898	0.342981	
7211141437 9	-0.0324	143.22	-26.777	-106.309	-0.0302172	0.400276	-0.0022
721114143739		143.71	-27.012	-107.935	0.1542278	0.386853	
7211141438 9	0.3229	144.17	-27.229	-109.567	0.3199077	0.327404	0.0030
7211141439 9	0.5429	145.05	-27.605	-112.846	0.5443358	0.144481	-0.0014
721114143939		145.47	-27.764	-114.492	0.5833605	0.020996	
7211141440 9	0.5682	145.86	-27.904	-116.142	0.5678774	-0.075551	0.0003
721114144039		146.24	-28.024	-117.796	0.5251620	-0.096937	
7211141441 9	0.4823	146.61	-28.124	-119.452	0.4823144	-0.092685	0.0000
7211141442 9	0.3749	147.28	-28.265	-122.770	0.3748995	-0.155917	0.0000

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DIFIT = 0.2000000

CONFAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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7211141732 9	0.8396	102.80	23.098	89.667	0.8396099	-0.039536	0.0000
7211141733 9	0.6949	101.52	23.962	86.452	0.6946345	-0.246309	0.0003
721114173339		100.89	24.369	84.827	0.5700263	-0.286315	
7211141734 9	0.4333	100.28	24.759	83.191	0.4344988	-0.298814	-0.0012
7211141735 9	0.1633	99.11	25.487	79.886	0.1607450	-0.285655	0.0026
721114173539		98.54	25.823	78.217	0.0342691	-0.259983	
7211141736 9	-0.0762	97.99	26.140	76.538	-0.0731628	-0.194306	-0.0030
721114173639		97.45	26.439	74.850	-0.1347584	-0.061231	
7211141737 9	-0.1278	96.93	26.717	73.151	-0.1294654	0.073523	0.0017
7211141738 9	-0.0055	95.93	27.213	69.729	-0.0059389	0.151442	0.0004
721114173839		95.46	27.431	68.005	0.0533182	0.094544	
7211141739 9	0.0771	95.00	27.627	66.274	0.0781081	0.016444	-0.0010
721114174044		93.68	28.106	60.752	-0.0014979	-0.089476	
721114174219	-0.1155	92.54	28.363	55.185	-0.1190542	-0.063120	0.0036
721114174319	-0.1688	91.91	28.410	51.656	-0.1594034	-0.028988	-0.0094
721114174349		91.63	28.399	49.890	-0.1627112	0.007485	
721114174419	-0.1408	91.37	28.365	48.125	-0.1530083	0.032633	0.0122
721114174449		91.13	28.309	46.360	-0.1343542	0.046230	
721114174519	-0.1210	90.91	28.231	44.597	-0.1122887	0.047052	-0.0087
721114174619	-0.0812	90.53	28.006	41.888	-0.0831439	0.066754	0.0019
721114174649		90.37	27.861	39.328	-0.0889845	-0.034380	
721114174719	-0.1230	90.23	27.693	37.580	-0.1256031	-0.145193	0.0026
721114174749		90.11	27.504	35.837	-0.2423986	-0.381565	
721114174819	-0.4825	90.02	27.293	34.100	-0.4789275	-0.624713	-0.0036
721114174919	-1.1568	89.89	26.807	30.648	-1.1599655	-0.775918	0.0032
721114174949		89.86	26.534	28.934	-1.5013270	-0.683865	

721114175019	-1.7737	89.85	26.239	27.228	-1.7710490	-0.459291	-0.0027
721114175049		89.85	25.925	25.530	-1.9017338	-0.081108	
721114175119	-1.8380	89.89	25.592	23.842	-1.8398142	0.337302	0.0018
721114175219	-1.2209	90.01	24.867	20.496	-1.2202082	0.956314	-0.0007
721114175249		90.11	24.478	18.838	-0.7294888	1.156845	
721114175319	-0.1650	90.23	24.070	17.191	-0.1646382	1.275557	-0.0004
721114175349		90.36	23.645	15.555	0.4343521	1.303493	
721114175419	1.0241	90.52	23.203	13.929	1.0224347	1.224050	0.0017
721114175519	1.9425	90.90	22.271	10.712	1.9457600	0.693220	-0.0033
721114175549		91.12	21.781	9.121	2.1664062	0.241712	
721114175619	2.1793	91.36	21.277	7.541	2.1755953	-0.167059	0.0037
721114175649		91.62	20.758	5.972	2.0442626	-0.366866	
721114175719	1.8535	91.90	20.225	4.414	1.8551461	-0.447872	-0.0016
721114175819	1.3955	92.52	19.119	1.333	1.3972758	-0.525003	-0.0018
721114175849		92.86	18.548	-0.191	1.1546440	-0.521101	
721114175919	0.9182	93.22	17.965	-1.704	0.9149821	-0.524528	0.0032
721114175949		93.59	17.370	-3.207	0.6636949	-0.570950	
72111418 019	0.3894	93.99	16.765	-4.700	0.3899425	-0.603432	-0.0005
72111418 119	-0.1252	94.84	15.523	-7.654	-0.1209235	-0.455868	-0.0043
72111418 149		95.28	14.888	-9.116	-0.2925806	-0.275754	
72111418 219	-0.3708	95.75	14.245	-10.570	-0.3772850	-0.106762	0.0065
72111418 249		96.23	13.592	-12.014	-0.4054399	-0.030678	
72111418 319	-0.4169	96.73	12.932	-13.449	-0.4135430	-0.006093	-0.0034
72111418 419	-0.4097	97.78	11.591	-16.295	-0.4071933	0.013205	-0.0025
72111418 449		98.33	10.910	-17.707	-0.4019350	0.007908	
72111418 519	-0.3952	98.89	10.223	-19.111	-0.4006060	-0.002040	0.0054
72111418 549		99.47	9.531	-20.508	-0.4037196	-0.011335	
72111418 619	-0.4136	100.06	8.834	-21.899	-0.4105361	-0.017152	-0.0031
72111418 834		102.88	5.646	-28.086	-0.4145082	0.034578	
721114181049	-0.2542	105.93	2.403	-34.186	-0.2569165	0.100684	0.0027
721114181119		106.64	1.679	-35.534	-0.2099376	0.101966	
721114181149	-0.1674	107.36	0.955	-36.879	-0.1627699	0.103216	-0.0046
721114181249	-0.0577	108.81	-0.493	-39.566	-0.0611238	0.120159	0.0034
721114181319		109.55	-1.216	-40.908	-0.0021962	0.135856	
721114181349	0.0589	110.30	-1.938	-42.249	0.0596840	0.121435	-0.0008
721114181419		111.05	-2.658	-43.591	0.0999085	0.041925	
721114181449	0.0925	111.81	-3.376	-44.933	0.0962079	-0.051899	-0.0037
721114181549	0.0103	113.34	-4.804	-47.620	0.0008178	-0.130463	0.0095
721114181619		114.11	-5.514	-48.966	-0.0572978	-0.115166	
721114181649	-0.1118	114.89	-6.220	-50.314	-0.1034516	-0.086387	-0.0083
721114181719		115.67	-6.922	-51.664	-0.1385056	-0.066998	
721114181749	-0.1745	116.45	-7.619	-53.017	-0.1654624	-0.048552	-0.0090
721114181849	-0.1571	118.02	-9.080	-55.734	-0.1851372	0.010962	0.0280
721114181919		118.80	-9.682	-57.098	-0.1708811	0.052037	
721114181949	-0.1570	119.59	-10.358	-58.467	-0.1372152	0.092327	-0.0198
721114182154		122.86	-13.103	-64.223	0.1332241	0.162582	
721114182359	0.4247	126.08	-15.709	-70.085	0.4135109	0.116221	0.0112
721114182459	0.4934	127.60	-16.903	-72.942	0.4994785	0.067077	-0.0061
721114182529		128.36	-17.484	-74.383	0.5234325	0.035965	
721114182559	0.5186	129.10	-18.055	-75.831	0.5283986	-0.023013	-0.0098
721114182629		129.84	-18.614	-77.287	0.4942785	-0.133358	
721114182659	0.4146	130.58	-19.161	-78.752	0.4036852	-0.253945	0.0109
721114182759	0.0895	132.02	-20.226	-81.707	0.0911245	-0.402473	-0.0016
721114182829		132.73	-20.730	-83.197	-0.1023274	-0.430413	
721114182859	-0.3007	133.43	-21.228	-84.697	-0.2953659	-0.387288	-0.0053
721114182929		134.12	-21.711	-86.205	-0.4428140	-0.232916	
721114182959	-0.4992	134.80	-22.181	-87.722	-0.5079234	-0.062248	0.0087
721114183059	-0.5036	136.13	-23.076	-90.782	-0.4925459	0.043117	-0.0111
721114183129		136.78	-23.501	-92.326	-0.4846879	-0.022106	
721114183159	-0.5017	137.42	-23.911	-93.878	-0.5123622	-0.083140	0.0107
721114183229		138.04	-24.305	-95.439	-0.5480127	-0.056739	
721114183259	-0.5634	138.65	-24.683	-97.008	-0.5582102	0.012175	-0.0052
721114183519		141.33	-26.222	-104.438	-0.2095646	0.302989	
721114183739	0.4772	143.69	-27.369	-113.020	0.4728589	0.211631	0.0043
7211141838 9		144.15	-27.562	-113.661	0.5458859	0.099181	
721114183839	0.5581	144.59	-27.735	-115.306	0.5649903	-0.069801	-0.0069

721114183939 0.5019 145.43 -28.023 -118.609 0.4979562 -0.108985 0.0039
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ELON = -7.798645 , 2*0.0000000E+00,

ROTR = 8.9400001E-03,

DIFIT = 0.2000000

CONFAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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721115 52710	0.7133	106.70	21.588	88.635	0.7132980	-0.023404	0.0000
721115 52810	0.7135	105.26	22.549	85.502	0.7135524	-0.010857	-0.0001
721115 52840		104.56	23.007	83.917	0.6939188	-0.082903	
721115 52910	0.6350	103.86	23.449	82.321	0.6347635	-0.169478	0.0002
721115 53010	0.4228	102.50	24.286	79.093	0.4233053	-0.273089	-0.0005
721115 53040		101.84	24.679	77.462	0.2924078	-0.290131	
721115 53110	0.1589	101.20	25.055	75.819	0.1582715	-0.288574	0.0006
721115 53140		100.56	25.414	74.166	0.0281070	-0.272996	
721115 53210	-0.0904	99.94	25.753	72.502	-0.0899446	-0.232357	-0.0005
721115 53310	-0.2280	98.73	26.377	69.143	-0.2280951	-0.042818	0.0001
721115 53340		98.15	26.659	67.449	-0.2148819	0.106075	
721115 53410	-0.1374	97.59	26.922	65.746	-0.1382979	0.201985	0.0009
721115 53440		97.04	27.164	64.034	-0.0502418	0.155821	
721115 53510	-0.0071	96.51	27.386	62.314	-0.0033514	0.051635	-0.0037
721115 53610	-0.0160	95.49	27.766	58.852	-0.0238242	-0.078623	0.0078
721115 53640		95.00	27.924	57.111	-0.0671413	0.104700	
721115 53710	-0.1266	94.54	28.060	55.365	-0.1167464	-0.106382	-0.0099
721115 53740		94.09	28.174	53.613	-0.1618675	-0.085302	
721115 53810	-0.1865	93.66	28.266	51.858	-0.1941413	-0.055329	0.0076
721115 53925	-0.2288	92.67	28.398	47.456	-0.2243401	-0.002186	-0.0045
721115 540 2		92.21	28.411	45.250	-0.2209278	0.012716	
721115 54040	-0.2066	91.79	28.389	43.044	-0.2094550	0.028696	0.0029
721115 54110		91.48	28.346	41.279	-0.1918516	0.048630	
721115 54140	-0.1650	91.18	28.280	39.515	-0.1651286	0.064818	0.0001
721115 54240	-0.1101	90.65	28.081	35.995	-0.1052551	0.055633	-0.0048
721115 54310		90.42	27.948	34.240	-0.0848953	0.030263	
721115 54340	-0.0805	90.21	27.793	32.489	-0.0877634	-0.063011	0.0073
721115 54410		90.01	27.616	30.743	-0.1618333	-0.278199	
721115 54440	-0.3525	89.84	27.417	29.002	-0.3474485	-0.511564	-0.0051
721115 54540	-0.9425	89.57	26.955	25.541	-0.9430358	-0.721397	0.0005
721115 54610		89.46	26.693	23.821	-1.2739365	-0.697885	
721115 54640	-1.5650	89.37	26.410	22.110	-1.5668075	-0.540353	0.0018
721115 54710		89.31	26.107	20.406	-1.7448230	-0.200462	
721115 54740	-1.7422	89.27	25.784	18.712	-1.7423371	0.201514	0.0001
721115 54840	-1.2521	89.25	25.080	15.352	-1.2479194	0.830532	-0.0042
721115 54910		89.27	24.700	13.687	-0.8098496	1.057588	
721115 54940	-0.2769	89.32	24.302	12.032	-0.2827694	1.210613	0.0059
721115 55010		89.39	23.886	10.388	0.2941553	1.273811	

721115 55040	0.8744	89.47	23.454	8.755	0.8769971	1.230304	-0.0026
721115 55140	1.8364	89.72	22.538	5.522	1.8396934	0.772499	-0.0033
721115 55210		89.87	22.056	3.922	2.1054497	0.358231	
721115 55240	2.1806	90.04	21.559	2.334	2.1740184	-0.032872	0.0066
721115 55310		90.24	21.047	0.757	2.1012774	-0.253931	
721115 55340	1.9498	90.45	20.521	-0.809	1.9547464	-0.376197	-0.0049
721115 55440	1.5252	90.95	19.429	-3.907	1.5242567	-0.537824	0.0009
721115 55510		91.23	18.863	-5.440	1.2658192	-0.577191	
721115 55540	0.9951	91.53	18.285	-6.961	0.9932634	-0.603798	0.0018
721115 55610		91.85	17.696	-8.472	0.7079743	-0.632500	
721115 55640	0.4095	92.18	17.095	-9.973	0.4121985	-0.641956	-0.0027
721115 55740	-0.1427	92.92	15.862	-12.943	-0.1455628	-0.539094	0.0029
721115 55810		93.32	15.231	-14.414	-0.3700745	-0.426786	
721115 55840	-0.5389	93.73	14.591	-15.875	-0.5363986	-0.293445	-0.0025
721115 55910		94.16	13.941	-17.326	-0.6408157	-0.158676	
721115 55940	-0.6849	94.61	13.284	-18.769	-0.6857451	-0.042336	0.0008
721115 6 040	-0.6571	95.57	11.947	-21.630	-0.6587115	0.075336	0.0016
721115 6 110		96.07	11.268	-23.048	-0.6221483	0.076677	
721115 6 140	-0.5933	96.59	10.583	-24.459	-0.5905129	0.061112	-0.0028
721115 6 210		97.13	9.892	-25.863	-0.5650243	0.050064	
721115 6 240	-0.5422	97.68	9.196	-27.260	-0.5436042	0.043446	0.0014
721115 6 340	-0.5036	98.83	7.789	-30.035	-0.5049211	0.043237	0.0013
721115 6 410		99.43	7.079	-31.415	-0.4836484	0.049646	
721115 6 440	-0.4609	100.04	6.366	-32.789	-0.4571297	0.068726	-0.0038
721115 6 510		100.66	5.650	-34.158	-0.4169596	0.108800	
721115 6 540	-0.3512	101.30	4.931	-35.523	-0.3576604	0.142414	0.0065
721115 6 640	-0.2413	102.61	3.487	-38.242	-0.2316702	0.107866	-0.0096
721115 6 710		103.29	2.762	-39.597	-0.1963004	0.039712	
721115 6 740	-0.1785	103.97	2.037	-40.949	-0.1888542	0.011520	0.0104
721115 6 810		104.67	1.311	-42.298	-0.1681448	0.097171	
721115 6 840	-0.1010	105.38	0.585	-43.646	-0.0951433	0.208700	-0.0059
721115 61015		107.68	-1.712	-47.908	0.2445012	0.152135	
721115 61150	0.2637	110.06	-3.993	-52.169	0.2586511	-0.091260	0.0050
721115 61220		110.83	-4.768	-53.516	0.2097634	-0.116368	
721115 61250	0.1480	111.60	-5.420	-54.865	0.1549120	-0.117368	-0.0069
721115 61350	0.0743	113.16	-6.832	-57.570	0.0707900	-0.049260	0.0035
721115 61420		113.95	-7.532	-58.926	0.0631026	0.019855	
721115 61450	0.0849	114.74	-8.228	-60.286	0.0841389	0.056595	0.0008
721115 61520		115.54	-8.918	-61.649	0.1018000	0.005220	
721115 61550	0.0807	116.33	-9.603	-63.016	0.0861937	-0.064143	-0.0055
721115 61650	0.0301	117.93	-10.954	-65.764	0.0190747	-0.046481	0.0110
721115 61720		118.74	-11.619	-67.145	0.0157006	0.040556	
721115 61750	0.0452	119.54	-12.278	-68.531	0.0566244	0.128281	-0.0114
721115 61820		120.34	-12.929	-69.923	0.1263452	0.165273	
721115 61850	0.2051	121.14	-13.572	-71.322	0.2050530	0.175119	0.0000
721115 61950	0.3898	122.74	-14.833	-74.137	0.3720279	0.184187	0.0178
721115 62020		123.53	-15.449	-75.555	0.4570250	0.183407	
721115 62050	0.5168	124.32	-16.057	-76.980	0.5367777	0.152725	-0.0200
721115 62120		125.12	-16.654	-78.413	0.5893826	0.065766	
721115 62150	0.5819	125.90	-17.242	-79.853	0.5949352	-0.037906	-0.0130
721115 62250	0.5392	127.45	-18.383	-82.757	0.4887943	-0.176777	0.0504
721115 62320		128.23	-18.937	-84.222	0.3981718	-0.211971	
721115 62350	0.2600	128.99	-19.479	-85.695	0.2956839	-0.230177	-0.0357
721115 626 5		132.34	-21.759	-92.429	0.1634885	-0.174247	
721115 62820	-0.3786	135.51	-23.753	-99.342	-0.4009412	-0.078754	0.0223
721115 62920	-0.4921	136.85	-24.539	-102.471	-0.4735439	-0.083325	-0.0186
721115 62950		137.51	-24.907	-104.048	-0.5147700	-0.096461	
721115 63020	-0.5615	138.15	-25.259	-105.633	-0.5530009	-0.047141	-0.0085
721115 63050		138.78	-25.593	-107.226	-0.5379534	0.134352	
721115 63120	-0.4097	139.39	-25.910	-108.827	-0.4248832	0.342296	0.0152
721115 63220	-0.0081	140.58	-26.490	-112.050	-0.0021392	0.520553	-0.0060
721115 63250		141.16	-26.753	-113.671	0.2343953	0.490847	
721115 63320	0.4416	141.72	-26.997	-115.299	0.4421165	0.402819	-0.0005
721115 63350		142.26	-27.222	-116.932	0.6005758	0.277345	
721115 63420	0.6992	142.79	-27.429	-118.572	0.6974913	0.147193	0.0017
721115 63520	0.7426	143.80	-27.784	-121.864	0.7434325	-0.028985	-0.0008

721115 63550 144.29 -27.932 -123.516 0.7183469 -0.075004
 721115 63620 0.6787 144.75 -28.060 -125.172 0.6785150 -0.092842 0.0002
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CONCAC = 1.083000

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721115	94220	-0.0324	91.30	28.387	38.683	-0.0320701	-0.356367	-0.0003
721115	94320	-0.2353	90.70	28.215	35.158	-0.2442046	-0.252957	0.0089
721115	94350		90.43	28.096	33.399	-0.4182635	-0.538444	
721115	94420	-0.7796	90.18	27.955	31.644	-0.7400610	-0.815509	-0.0395
721115	94520	-1.4211	89.74	27.605	28.148	-1.4887654	-0.645169	0.0677
721115	94550		89.56	27.398	26.408	-1.6926403	-0.197646	
721115	94620	-1.7049	89.39	27.169	24.675	-1.6621119	0.309601	-0.0428
721115	94825		88.94	25.992	17.537	0.0440138	1.111418	
721115	95030	1.7660	88.87	24.474	10.558	1.7481705	0.563095	0.0178
721115	95135	2.0665	88.99	23.559	7.001	2.0665479	0.047156	0.0000
721115	952 8		89.08	23.072	5.241	2.0124195	-0.270129	
721115	95240	1.7720	89.21	22.566	3.495	1.8077630	-0.519091	-0.0358
721115	95310		89.34	22.082	1.894	1.5452880	-0.592824	
721115	95340	1.3055	89.50	21.583	0.305	1.2711550	-0.596499	0.0343
721115	95440	0.7008	89.88	20.541	-2.839	0.7064101	-0.633279	-0.0056
721115	95510		90.10	19.999	-4.394	0.4067353	-0.666389	
721115	95540	0.0827	90.34	19.444	-5.938	0.0957268	-0.669398	-0.0130
721115	95610		90.61	18.876	-7.471	-0.2005824	-0.602385	
721115	95640	-0.4420	90.89	18.296	-8.993	-0.4541901	-0.494375	0.0122
721115	95740	-0.8009	91.52	17.101	-12.005	-0.7979888	-0.242282	-0.0029
721115	95810		91.87	16.487	-13.496	-0.8770561	-0.098193	
721115	95840	-0.8958	92.23	15.863	-14.976	-0.8926429	0.020060	-0.0032
721115	95910		92.62	15.230	-16.447	-0.8683171	0.074699	
721115	95940	-0.8259	93.02	14.587	-17.908	-0.8293584	0.092383	0.0035
72111510	040	-0.7401	93.89	13.276	-20.803	-0.7387671	0.097004	-0.0013
72111510	110		94.35	12.609	-22.238	-0.6965991	0.083936	
72111510	140	-0.6619	94.83	11.934	-23.664	-0.6614332	0.069758	-0.0005
72111510	210		95.32	11.253	-25.083	-0.6309532	0.063603	
72111510	240	-0.5992	95.84	10.565	-26.494	-0.6012128	0.067141	0.0020
72111510	340	-0.5274	96.91	9.173	-29.295	-0.5237127	0.108298	-0.0037
72111510	410		97.47	8.470	-30.686	-0.4654586	0.145922	
72111510	440	-0.3877	98.05	7.762	-32.071	-0.3921914	0.162657	0.0045
72111510	510		98.65	7.050	-33.450	-0.3234459	0.126255	
72111510	540	-0.2812	99.25	6.335	-34.825	-0.2775975	0.076930	-0.0036
72111510	640	-0.2209	100.51	4.895	-37.559	-0.2227320	0.060093	0.0018
72111510	710		101.16	4.171	-38.921	-0.1885306	0.092596	
72111510	740	-0.1352	101.82	3.446	-40.279	-0.1349332	0.140060	-0.0003

72111510	810		102.50	2.719	-41.634	-0.0587888	0.190201	
72111510	840	0.0358	103.18	1.992	-42.986	0.0371841	0.217577	-0.0014
72111510	940	0.2148	104.59	0.535	-45.684	0.2114696	0.127806	0.0033
721115101010			105.31	-0.193	-47.031	0.2452853	0.010634	
721115101040	0.2199		106.04	-0.920	-48.377	0.2243109	-0.086961	-0.0044
721115101110			106.78	-1.647	-49.723	0.1784168	-0.097275	
721115101140	0.1453		107.53	-2.372	-51.068	0.1413917	-0.062735	0.0039
721115101240	0.1153		109.05	-3.815	-53.760	0.1179564	0.013581	-0.0027
721115101310			109.82	-4.533	-55.108	0.1337795	0.055358	
721115101340	0.1663		110.60	-5.248	-56.457	0.1643364	0.066380	0.0020
721115101410			111.38	-5.959	-57.808	0.1852341	0.013482	
721115101440	0.1731		112.17	-6.667	-59.161	0.1754522	-0.048113	-0.0024
721115101540	0.1275		113.76	-8.069	-61.877	0.1242455	-0.031795	0.0033
721115101610			114.57	-8.762	-63.239	0.1257672	0.046140	
721115101640	0.1638		115.37	-9.450	-64.606	0.1674231	0.127848	-0.0036
721115101710			116.18	-10.132	-65.977	0.2378328	0.170639	
721115101740	0.3237		116.99	-10.808	-67.352	0.3208431	0.186532	0.0029
721115101840	0.4903		118.62	-12.140	-70.118	0.4917653	0.173789	-0.0015
721115101910			119.44	-12.795	-71.509	0.5659687	0.145146	
721115101940	0.6250		120.25	-13.442	-72.907	0.6248663	0.110501	0.0001
721115102010			121.07	-14.080	-74.310	0.6684324	0.078675	
721115102040	0.6962		121.88	-14.710	-75.720	0.6946519	0.028247	0.0015
721115102140	0.6274		123.50	-15.943	-78.561	0.6310126	-0.192796	-0.0036
721115102210			124.30	-16.545	-79.992	0.5041397	0.363429	
721115102240	0.3066		125.11	-17.136	-81.431	0.3025204	-0.488113	0.0041
721115102310			125.91	-17.717	-82.878	0.0737279	-0.480905	
721115102340	-0.1304		126.70	-18.286	-84.333	-0.1293932	-0.394812	-0.0010
721115102440	-0.3906		128.27	-19.391	-87.268	-0.3865700	-0.144984	-0.0040
721115102510			129.05	-19.925	-88.748	-0.4167060	0.018764	
721115102540	-0.3726		129.82	-20.446	-90.236	-0.3790153	0.119094	0.0064
721115102610			130.59	-20.954	-91.734	-0.3302307	0.068764	
721115102640	-0.3302		131.34	-21.449	-93.240	-0.3266833	-0.046149	-0.0035
721115102740	-0.4414		132.83	-22.396	-96.279	-0.4396562	-0.177563	-0.0017
721115102813			133.62	-22.886	-97.940	-0.5346829	-0.196167	
721115102845	-0.6192		134.40	-23.357	-99.611	-0.6235865	-0.141024	0.0044
721115102918			135.17	-23.810	-101.293	-0.6572812	0.024745	
721115102950	-0.5968		135.93	-24.244	-102.984	-0.5941918	0.218498	-0.0026
721115103050	-0.2807		137.29	-24.996	-106.134	-0.2790991	0.433019	-0.0016
721115103120			137.95	-25.347	-107.720	-0.0687495	0.470585	
721115103150	0.1487		138.60	-25.681	-109.315	0.1443597	0.436271	0.0043
721115103220			139.24	-25.997	-110.918	0.3191218	0.304679	
721115103250	0.4171		139.86	-26.295	-112.527	0.4209178	0.142167	-0.0038
721115103350	0.4422		141.07	-26.837	-115.767	0.4404049	-0.076285	0.0018
721115103420			141.65	-27.080	-117.396	0.3909089	-0.132241	
721115103450	0.3221		142.22	-27.304	-119.031	0.3224977	-0.160892	-0.0004
721115103550	0.1681		143.31	-27.694	-122.317	0.1680853	-0.160816	0.0000

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DTEIT = 0.2000000
CONFAC = 1.083000
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YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
721115132539	0.8389	110.59	19.661	90.469	0.8388509	-0.003122	0.0000
721115132639	0.7265	109.01	20.724	87.427	0.7278272	-0.207259	-0.0013
721115132739		108.24	21.237	85.889	0.6224597	-0.241612	
721115132739	0.5139	107.47	21.736	84.339	0.5079079	-0.255338	0.0060
721115132839	0.2425	105.95	22.691	81.202	0.2552502	-0.294525	-0.0128
721115132939		105.21	23.146	79.616	0.1135294	-0.319987	
721115132939	-0.0179	104.48	23.586	78.019	-0.0325494	-0.295657	0.0146
721115133039		103.76	24.010	76.409	-0.1435317	-0.167805	
721115133039	-0.1896	103.05	24.417	74.788	-0.1837155	-0.015324	-0.0059
721115133139	-0.1241	101.66	25.180	71.511	-0.1154369	0.127082	-0.0087
721115133239		100.98	25.535	69.856	-0.0570043	0.116981	
721115133239	0.0005	100.32	25.871	68.190	-0.0136906	0.066123	0.0142
721115133339		99.67	26.189	66.514	-0.0001622	-0.012080	
721115133339	-0.0253	99.04	26.487	64.827	-0.0245143	-0.088175	-0.0008
721115133439	-0.1595	97.81	27.025	61.427	-0.1422548	-0.145841	-0.0172
721115133539		97.22	27.263	59.713	-0.2065499	-0.127398	
721115133539	-0.2432	96.65	27.481	57.991	-0.2574799	-0.093286	0.0143
721115133734		94.60	28.118	51.326	-0.3078737	0.035925	
721115133929	-0.1823	92.82	28.432	44.589	-0.1734721	0.092027	-0.0088
721115134029	-0.0930	92.00	28.465	41.058	-0.0983092	0.064256	0.0053
721115134059		91.61	28.447	39.292	-0.0748587	0.035702	
721115134129	-0.0694	91.25	28.407	37.526	-0.0762785	-0.063907	0.0069
721115134159		90.91	28.343	35.760	-0.1542321	-0.295843	
721115134229	-0.3627	90.59	28.258	33.997	-0.3513394	-0.540068	-0.0114
721115134329	-0.9491	90.01	28.019	30.479	-0.9594517	-0.705270	0.0104
721115134359		89.75	27.866	28.726	-1.2709650	-0.626247	
721115134429	-1.5273	89.52	27.691	26.977	-1.5189421	-0.425309	-0.0084
721115134459		89.30	27.494	25.234	-1.6427370	-0.088291	
721115134529	-1.5904	89.11	27.276	23.498	-1.5942200	0.289315	0.0038
721115134629	-1.0351	88.79	26.776	20.045	-1.0375596	0.879807	0.0025
721115134659		88.66	26.494	18.330	-0.5801147	1.092693	
721115134729	-0.0479	88.56	26.193	16.624	-0.0429882	1.212145	-0.0049
721115134759		88.47	25.871	14.927	0.5188245	1.199634	
721115134829	1.0483	88.41	25.530	13.239	1.0484525	1.081501	-0.0002
721115134934	1.9060	88.36	24.726	9.615	1.8972558	0.553588	0.0087
72111513507		88.37	24.291	7.821	2.0771034	0.150046	
721115135039	2.0413	88.41	23.836	6.040	2.0547397	-0.209193	-0.0134
72111513519		88.47	23.398	4.407	1.9128557	-0.379571	
721115135139	1.7255	88.55	22.943	2.785	1.7165504	-0.470131	0.0089
721115135239	1.2053	88.78	21.985	-0.424	1.2039719	-0.636926	0.0013
72111513539		88.93	21.483	-2.012	0.8920956	-0.713160	
721115135339	0.5430	89.10	20.966	-3.589	0.5522693	-0.745230	-0.0093
72111513549		89.30	20.435	-5.154	0.2168342	-0.693772	
721115135439	-0.0702	89.51	19.891	-6.708	-0.0818086	-0.599877	0.0116
721115135539	-0.5543	90.00	18.763	-9.783	-0.5475208	-0.407939	-0.0068
721115135739		91.24	16.364	-15.804	-0.9345711	-0.007558	
721115135939	-0.7152	92.80	13.804	-21.666	-0.7222586	0.154350	0.0071
7211151409		93.24	13.143	-23.109	-0.6584429	0.116967	
72111514039	-0.6253	93.70	12.474	-24.543	-0.6147205	0.076941	-0.0106
72111514139	-0.5467	94.67	11.115	-27.387	-0.5522356	0.075924	0.0055
7211151429		95.18	10.426	-28.798	-0.5092045	0.114846	
72111514239	-0.4481	95.71	9.731	-30.202	-0.4472448	0.146944	-0.0009
7211151439		96.26	9.031	-31.599	-0.3796644	0.139123	
72111514339	-0.3205	96.82	8.326	-32.990	-0.3218556	0.111330	0.0014
72111514439	-0.2489	97.99	6.904	-35.755	-0.2447509	0.055661	-0.0041
7211151459		98.60	6.187	-37.130	-0.2254847	0.027785	
72111514539	-0.2099	99.23	5.468	-38.499	-0.2150090	0.026450	0.0051
7211151469		99.87	4.745	-39.865	-0.1928865	0.078226	
72111514639	-0.1432	100.52	4.021	-41.227	-0.1412092	0.140229	-0.0020
72111514739	0.0070	101.86	2.568	-43.941	0.0103744	0.166343	-0.0034

7211151489		102.56	1.839	-45.294	0.0801482	0.130439	
72111514839	0.1338	103.26	1.111	-46.645	0.1267801	0.068280	0.0070
7211151499		103.97	0.382	-47.994	0.1401258	-0.013791	
72111514939	0.1085	104.70	-0.346	-49.342	0.1164711	-0.080146	-0.0080
721115141039	0.0443	106.18	-1.800	-52.036	0.0364456	-0.058991	0.0079
72111514119		106.94	-2.525	-53.382	0.0274424	0.028545	
721115141139	0.0535	107.70	-3.248	-54.729	0.0595433	0.094945	-0.0060
72111514129		108.47	-3.969	-56.077	0.1007158	0.067797	
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721115141339	0.0986	110.83	-6.112	-60.129	0.0890290	-0.050025	0.0096
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721115141439	0.0398	112.43	-7.521	-62.842	0.0530930	-0.011087	-0.0133
72111514159		113.24	-8.219	-64.203	0.0605761	0.048013	
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721115141754		117.76	-11.954	-71.763	0.4752852	0.194193	
72111514209	0.5993	121.47	-14.848	-78.069	0.6044390	-0.158061	-0.0051
721115142039		122.30	-15.467	-79.488	0.4977920	-0.308234	
72111514219	0.3290	123.12	-16.076	-80.915	0.3238092	-0.432608	0.0052
72111514229	-0.1029	124.76	-17.265	-83.791	-0.1068256	-0.448361	0.0039
721115142239		125.57	-17.843	-85.240	-0.2917541	-0.339702	
72111514239	-0.4246	126.38	-18.410	-86.698	-0.4141923	-0.190034	-0.0104
721115142339		127.19	-18.966	-88.164	-0.4665305	-0.035935	
72111514249	-0.4460	127.98	-19.510	-89.638	-0.4583591	0.079340	0.0074
72111514259	-0.3617	129.56	-20.559	-92.612	-0.3619587	0.063977	0.0003
721115142539		130.34	-21.064	-94.112	-0.3594321	-0.066701	
72111514269	-0.4271	131.11	-21.556	-95.621	-0.4223750	-0.189832	-0.0047
721115142639		131.88	-22.034	-97.139	-0.5197908	-0.215945	
72111514279	-0.6073	132.63	-22.497	-98.666	-0.6105915	-0.169412	0.0033
72111514289	-0.6712	134.12	-23.379	-101.745	-0.6720717	0.068414	0.0009
721115142839		134.85	-23.797	-103.298	-0.5981708	0.259730	
72111514299	-0.4386	135.56	-24.199	-104.860	-0.4353284	0.431121	-0.0033
721115142939		136.27	-24.585	-106.430	-0.2136234	0.514512	
72111514309	0.0307	136.96	-24.954	-108.008	0.0283889	0.524085	0.0023
72111514319	0.4572	138.31	-25.642	-111.189	0.4569681	0.364497	0.0002
721115143139		138.98	-25.959	-112.791	0.5885022	0.195307	
72111514329	0.6370	139.62	-26.259	-114.400	0.6388095	0.035792	-0.0018
721115143239		140.25	-26.541	-116.016	0.6336755	-0.044883	
72111514339	0.6060	140.87	-26.804	-117.639	0.6043451	-0.080236	0.0017
72111514349	0.5095	142.06	-27.275	-120.902	0.5102529	-0.115743	-0.0008
72111514359	0.4052	143.19	-27.669	-124.187	0.4050506	-0.104301	0.0001

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119.7357, 2.712300
ICoord = 1,
TSTATE = 1667.692, 106.5303, 735.7274, 0.2883878,
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LONEP = 999.0000
REFEP = 6*0,
DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780
ERAD = 378285.8
ELAT = -5.575366, 2*0.0000000E+00,
ELON = -7.680817, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DTEIT = 0.2000000
CONFAC = 1.083000
\$END
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721115172630	0.5090	108.64	21.240	84.096	0.5071256	-0.232604	0.0019
7211151727 0		107.85	21.741	82.547	0.3903390	-0.282424	
721115172730	0.2381	107.07	22.228	80.986	0.2465633	-0.330835	-0.0085
721115172830	-0.0237	105.54	23.157	77.829	-0.0417166	-0.255270	0.0180
7211151729 0		104.78	23.599	76.232	-0.1331616	-0.131293	
721115172930	-0.1840	104.04	24.025	74.624	-0.1631405	-0.008572	-0.0209
7211151730 0		103.31	24.434	73.003	-0.1503061	0.054174	
721115173030	-0.1084	102.59	24.826	71.371	-0.1193707	0.076291	0.0110
721115173235		99.72	26.268	64.452	-0.0450971	-0.060669	
721115173440	-0.3146	97.10	27.375	57.359	-0.3049251	-0.123069	-0.0097
721115173510		96.51	27.587	55.635	-0.3485432	-0.060857	
721115173540	-0.3447	95.94	27.779	53.903	-0.3607240	0.003985	0.0160
721115173640	-0.3354	94.84	28.098	50.419	-0.3236193	0.060006	-0.0118
721115173710		94.32	28.224	48.668	-0.2970049	0.051162	
721115173740	-0.2691	93.81	28.329	46.913	-0.2754100	0.048594	0.0063
721115173810		93.33	28.411	45.154	-0.2464173	0.083163	
721115173840	-0.2032	92.86	28.470	43.391	-0.1990783	0.114801	-0.0041
721115173940	-0.1072	91.98	28.521	39.860	-0.1101464	0.049176	0.0029
721115174010		91.57	28.513	38.092	-0.1082501	-0.048129	
7211151740 0	-0.1637	91.18	28.482	36.324	-0.1635959	-0.204093	-0.0001
7211151741 0		90.81	28.428	34.557	-0.3082065	-0.434626	
7211151741 0	-0.5681	90.47	28.351	32.792	-0.5603492	-0.635743	-0.0078
721115174240	-1.1739	89.83	28.129	29.268	-1.1897054	-0.638680	0.0158
721115174310		89.55	27.985	27.512	-1.4439806	-0.440370	
721115174340	-1.5963	89.28	27.819	25.760	-1.5847673	-0.166710	-0.0115
721115174515		88.59	27.148	20.249	-1.1307164	0.817428	
721115174650	0.5527	88.12	26.265	14.812	0.5422201	1.262013	0.0105
721115174750	1.5613	87.95	25.603	11.422	1.5767834	0.895290	-0.0155
721115174820		87.89	25.243	9.742	1.9092745	0.523809	
721115174850	2.0721	87.86	24.865	8.072	2.0602326	0.150532	0.0119
721115174920		87.85	24.468	6.412	2.0668890	-0.101453	
721115174950	1.9732	87.86	24.053	4.763	1.9776660	-0.281438	-0.0045
721115175050	1.5713	87.96	23.171	1.497	1.5756052	-0.574547	-0.0043
721115175120		88.03	22.705	-0.119	1.2833091	-0.687649	
721115175150	0.9577	88.14	22.223	-1.724	0.9486914	-0.748635	0.0090
721115175220		88.27	21.725	-3.318	0.6046394	-0.727788	
721115175250	0.2771	88.42	21.213	-4.900	0.2832214	-0.664388	-0.0061
721115175350	-0.2686	88.78	20.145	-8.030	-0.2681580	-0.527711	-0.0004
721115175420		89.00	19.591	-9.579	-0.4950574	-0.454430	
721115175450	-0.6791	89.23	19.024	-11.116	-0.6834037	-0.352757	0.0043
721115175520		89.49	18.445	-12.642	-0.8125020	-0.197423	
721115175550	-0.8685	89.78	17.853	-14.158	-0.8653243	-0.039506	-0.0032
721115175650	-0.8081	90.40	16.637	-17.157	-0.8079861	0.131497	-0.0001
721115175722		90.77	15.961	-18.765	-0.7368394	0.143440	
721115175755	-0.6664	91.17	15.273	-20.361	-0.6687673	0.129848	0.0024
721115175827		91.59	14.574	-21.946	-0.6060259	0.121888	
7211151759 0	-0.5497	92.04	13.866	-23.519	-0.5461139	0.118260	-0.0036
72111518 0 0	-0.4326	92.92	12.532	-26.399	-0.4371460	0.119476	0.0045
72111518 030		93.39	11.855	-27.826	-0.3810559	0.123934	
72111518 1 0	-0.3275	93.88	11.170	-29.245	-0.3227226	0.128309	-0.0048
72111518 130		94.39	10.480	-30.657	-0.2630011	0.129949	
72111518 2 0	-0.2002	94.91	9.783	-32.062	-0.2039856	0.123449	0.0038
72111518 3 0	-0.1127	96.02	8.375	-34.851	-0.1105899	0.069817	-0.0021
72111518 330		96.59	7.664	-36.237	-0.0887156	0.022685	
72111518 4 0	-0.0861	97.18	6.949	-37.618	-0.0868327	-0.006184	0.0007
72111518 430		97.79	6.231	-38.993	-0.0867206	0.015015	
72111518 5 0	-0.0693	98.42	5.510	-40.364	-0.0697585	0.057074	0.0005
72111518 6 0	0.0110	99.71	4.060	-43.092	0.0127835	0.116147	-0.0018
72111518 630		100.37	3.332	-44.452	0.0706549	0.133161	
72111518 7 0	0.1333	101.05	2.602	-45.808	0.1301886	0.114109	0.0031
72111518 730		101.74	1.872	-47.161	0.1662024	0.031273	
72111518 8 0	0.1533	102.45	1.142	-48.513	0.1582826	-0.056644	-0.0050
72111518 9 0	0.0899	103.90	-0.319	-51.211	0.0825671	-0.071607	0.0073
72111518 930		104.64	-1.049	-52.558	0.0642851	0.001346	
7211151810 0	0.0749	105.39	-1.777	-53.905	0.0824940	0.065747	-0.0076

721115181030		106.15	-2.504	-55.252	0.1141081	0.059418	
7211151811 0	0.1367	106.92	-3.229	-56.599	0.1328547	0.023826	0.0038
721115181310		110.34	-6.337	-62.453	0.1291063	0.010623	
721115181520	0.2525	113.89	-9.368	-68.353	0.2556725	0.117857	-0.0032
721115181550		114.72	-10.054	-69.725	0.3161735	0.144273	
721115181620	0.3920	115.55	-10.732	-71.101	0.3873372	0.160632	0.0047
721115181720	0.5265	117.23	-12.070	-73.869	0.5284489	0.131202	-0.0019
721115181750		118.06	-12.728	-75.261	0.5792576	0.085393	
721115181820	0.5994	118.91	-13.377	-76.658	0.6010930	-0.000791	-0.0017
721115181850		119.74	-14.019	-78.063	0.5692518	-0.147133	
721115181920	0.4697	120.59	-14.652	-79.473	0.4638222	-0.302821	0.0059
721115182020	0.0742	122.26	-15.891	-82.315	0.0848891	-0.490423	-0.0107
721115182050		123.09	-16.495	-83.747	-0.1505339	-0.522296	
721115182120	-0.3739	123.93	-17.090	-85.186	-0.3817802	-0.452807	0.0079
721115182150		124.76	-17.673	-86.634	-0.5437529	-0.221760	
721115182220	-0.5710	125.59	-18.246	-88.089	-0.5844464	0.023192	0.0134
721115182320	-0.5183	127.23	-19.356	-91.024	-0.4806102	0.112709	-0.0377
721115182350		128.03	-19.893	-92.505	-0.4593410	-0.042856	
721115182420	-0.4943	128.84	-20.417	-93.994	-0.5229731	-0.216747	0.0287
721115182555		131.35	-21.989	-98.767	-0.8941072	-0.129234	
721115182730	-0.7344	133.77	-23.417	-103.628	-0.7174259	0.334726	-0.0170
721115182830	-0.3094	135.26	-24.240	-106.744	-0.3180882	0.515790	0.0087
7211151829 0		135.98	-24.627	-108.315	-0.0657307	0.573810	
721115182930	0.2108	136.70	-24.997	-109.894	0.1989438	0.548643	0.0119
7211151830 0		137.40	-25.351	-111.481	0.4185959	0.378773	
721115183030	0.5275	138.09	-25.687	-113.076	0.5425584	0.169073	-0.0151
721115183130	0.5823	139.43	-26.306	-116.288	0.5751125	-0.055199	0.0072
7211151832 0		140.08	-26.589	-117.906	0.5437619	-0.069771	
721115183230	0.5118	140.72	-26.853	-119.529	0.5133940	-0.066762	-0.0016
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721115212559 108.56 21.302 81.801 0.2775978 -0.200025
721115212629 0.1952 107.76 21.800 80.251 0.1857434 -0.195336 0.0095
721115212729 0.0107 106.19 22.754 77.114 0.0262079 -0.140007 -0.0155
721115212759 105.41 23.208 75.527 -0.0273298 -0.089366
721115212829 -0.0472 104.65 23.647 73.929 -0.0561884 -0.037941 0.0090
721115213119 100.53 25.817 64.652 -0.0176852 -0.006208
7211152134 9 -0.1580 96.83 27.387 55.039 -0.1545551 -0.050053 -0.0034
7211152135 9 -0.1800 95.64 27.785 51.580 -0.1786998 0.003783 -0.0013

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721115213639		93.99	28.219	46.343	-0.0994565	0.088992	
7211152137 9	-0.0685	93.47	28.320	44.587	-0.0589534	0.085412	-0.0095
7211152138 9	0.0103	92.49	28.454	41.064	0.0095036	0.058469	0.0008
721115213839		92.03	28.488	39.299	0.0313622	0.035100	
7211152139 9	0.0364	91.59	28.498	37.532	0.0310374	-0.058982	0.0054
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721115214444		88.09	27.086	17.924	-0.4971683	1.088768	
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721115214649		87.49	25.869	10.791	1.7265499	0.766820	
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721115214849		87.29	24.380	4.094	1.9590060	-0.344148	
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721115214949		87.32	23.527	0.808	1.5132748	-0.610335	
721115215019	1.2128	87.37	23.075	-0.818	1.2090380	-0.698437	0.0038
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721115215249		87.98	20.579	-8.781	-0.2456169	-0.436074	
721115215319	-0.4280	88.17	20.036	-10.339	-0.4282863	-0.351592	0.0003
721115215419	-0.6532	88.62	18.910	-13.423	-0.6500087	-0.113248	-0.0032
721115215449		88.88	18.329	-14.949	-0.6676644	0.040637	
721115215519	-0.6151	89.15	17.735	-16.464	-0.6176054	0.161405	0.0025
721115215549		89.45	17.131	-17.968	-0.5323464	0.192966	
721115215619	-0.4433	89.77	16.516	-19.462	-0.4461566	0.180804	0.0029
721115215719	-0.2924	90.48	15.255	-22.420	-0.2884705	0.161964	-0.0039
721115215944		92.53	12.062	-29.416	0.0479351	0.146648	
72111522 2 9	0.3099	95.02	8.710	-36.226	0.3027665	0.046313	0.0071
72111522 239		95.58	8.001	-37.616	0.3135723	-0.001032	
72111522 3 9	0.2918	96.17	7.288	-39.001	0.3038337	-0.035294	-0.0120
72111522 4 9	0.2854	97.38	5.851	-41.754	0.2775707	0.001908	0.0078
72111522 439		98.02	5.129	-43.123	0.2936029	0.073405	
72111522 5 9	0.3388	98.66	4.403	-44.489	0.3407727	0.115231	-0.0020
72111522 539		99.32	3.676	-45.851	0.3854478	0.062486	
72111522 6 9	0.3913	100.00	2.948	-47.210	0.3938064	-0.020642	-0.0025
72111522 7 9	0.3413	101.39	1.488	-49.919	0.3343421	-0.085646	0.0070
72111522 739		102.11	0.757	-51.271	0.2976837	-0.067489	
72111522 8 9	0.2671	102.83	0.026	-52.621	0.2744221	-0.033729	-0.0073
72111522 839		103.57	-0.704	-53.970	0.2661546	-0.002501	
72111522 9 9	0.2726	104.32	-1.433	-55.319	0.2711991	0.022820	0.0014
7211152210 9	0.3079	105.85	-2.886	-58.015	0.3057044	0.045758	0.0022
721115221214		109.15	-5.882	-63.645	0.3512228	-0.025184	
721115221419	0.2695	112.57	-8.811	-69.313	0.2750949	0.007201	-0.0056
721115221449		113.41	-9.500	-70.683	0.2920171	0.069614	
721115221519	0.3458	114.25	-10.184	-72.057	0.3375897	0.128497	0.0082
721115221619	0.4450	115.94	-11.532	-74.818	0.4482732	0.089799	-0.0033
721115221649		116.78	-12.196	-76.207	0.4725951	0.008174	
721115221719	0.4476	117.63	-12.852	-77.601	0.4495794	-0.114186	-0.0020
721115221749		118.48	-13.500	-79.001	0.3614712	-0.273696	
721115221819	0.2032	119.33	-14.140	-80.487	0.1906094	-0.422077	0.0046
721115221919	-0.2703	121.03	-15.393	-83.240	-0.2648401	-0.540334	-0.0063
721115221949		121.88	-16.005	-84.667	-0.5088058	-0.510152	
721115222019	-0.7191	122.73	-16.608	-86.102	-0.7218385	-0.393767	0.0027
721115222049		123.57	-17.200	-87.543	-0.8558526	-0.164348	
721115222119	-0.8613	124.41	-17.781	-88.993	-0.8751823	0.054947	0.0139
721115222219	-0.7972	126.08	-18.909	-91.917	-0.7652619	0.094420	-0.0319
721115222249		126.91	-19.456	-93.391	-0.7580844	-0.085525	
721115222319	-0.8216	127.73	-19.990	-94.874	-0.8451189	-0.271439	0.0235

721115222454		130.30	-21.595	-99.627	-1.2366707	-0.061911	
721115222629	-0.8519	132.78	-23.059	-104.469	-0.8385530	0.532651	-0.0133
721115222729	-0.2595	134.31	-23.906	-107.572	-0.2652342	0.679671	0.0057
721115222759		135.06	-24.305	-109.136	0.0519125	0.686837	
721115222829	0.3692	135.79	-24.689	-110.709	0.3577130	0.620893	0.0115
721115222859		136.52	-25.055	-112.290	0.6095250	0.452959	
721115222929	0.7595	137.23	-25.405	-113.880	0.7732393	0.267362	-0.0137
721115223029	0.9271	138.63	-26.052	-117.081	0.9205558	0.096170	0.0065
721115223059		139.31	-26.348	-118.692	0.9657154	0.110573	
721115223129	1.0236	139.96	-26.627	-120.311	1.0250511	0.140550	-0.0015
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DIFIT = 0.2000000
CONCAC = 1.083000
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721116	12159	0.6122	114.81	17.592	90.034	0.6121554	-0.094513	0.0000
721116	12259	0.4577	113.09	18.742	87.080	0.4589054	-0.215521	-0.0012
721116	12329		112.24	19.300	85.587	0.3555505	-0.226736	
721116	12359	0.2567	111.39	19.846	84.082	0.2512594	-0.226818	
721116	12459	0.0188	109.72	20.903	81.036	0.0303394	-0.258755	
721116	12529		108.89	21.411	79.496	-0.0960689	-0.290611	
721116	12559	-0.2172	108.06	21.906	77.944	-0.2295797	-0.267757	
721116	12629		107.25	22.387	76.379	-0.3248367	-0.124895	
721116	12659	-0.3423	106.45	22.853	74.803	-0.3410775	0.042824	-0.0012
721116	12759	-0.2388	104.86	23.740	71.614	-0.2223951	0.167379	-0.0164
721116	12829		104.09	24.159	70.002	-0.1523792	0.124214	
721116	12859	-0.0951	103.32	24.562	68.378	-0.1128551	0.047555	0.0178
721116	12929		102.57	24.947	66.742	-0.1079685	-0.025801	
721116	12959	-0.1304	101.82	25.315	65.096	-0.1347301	-0.086496	0.0043
721116	13059	-0.2600	100.38	25.996	61.769	-0.2469241	-0.141839	-0.0131
721116	13314		97.33	27.248	54.136	-0.4136673	0.055625	
721116	13529	0.0091	94.59	28.082	46.336	-0.0162192	0.252478	0.0253
721116	13559		94.03	28.207	44.585	0.0972781	0.235513	
721116	13629	0.1612	93.49	28.311	42.829	0.1981029	0.198135	-0.0369
721116	13729	0.3387	92.46	28.451	39.307	0.3363391	0.067124	0.0124
721116	13759		91.98	28.487	37.541	0.3364363	-0.026508	
721116	13829	0.3057	91.51	28.501	35.774	0.2948091	-0.165974	0.0109
721116	13859		91.07	28.491	34.006	0.1719613	-0.378356	
721116	13929	-0.0635	90.64	28.459	32.237	-0.0499956	-0.561145	-0.0135
721116	14029	-0.5871	89.86	28.327	28.703	-0.5946085	-0.530419	0.0075
721116	14059		89.49	28.227	26.939	-0.7952871	-0.316904	
721116	14129	-0.8763	89.16	28.104	25.178	-0.8739447	-0.017092	-0.0024
721116	14159		88.84	27.959	23.421	-0.8048383	0.323210	
721116	14229	-0.5890	88.54	27.791	21.668	-0.5778988	0.648611	-0.0021

721116	14329	0.2503	88.02	27.391	18.179	0.2433500	1.083134	0.0069
721116	14359		87.79	27.158	16.444	0.7716295	1.193457	
721116	14429	1.3188	87.58	26.905	14.716	1.3277891	1.189724	-0.0090
721116	14459		87.40	26.630	12.995	1.8460724	1.029376	
721116	14529	2.2700	87.24	26.335	11.283	2.2645979	0.780154	0.0054
721116	14659		86.90	25.330	6.200	2.7615085	-0.094315	
721116	14829	2.1164	86.78	24.154	1.206	2.1217723	-0.712255	-0.0054
721116	14859		86.78	23.726	-0.437	1.7784585	-0.761957	
721116	14929	1.4358	86.82	23.281	-2.069	1.4262000	-0.759746	0.0096
721116	15029	0.7440	86.94	22.342	-5.300	0.7543913	-0.678268	-0.0104
721116	15059		87.04	21.848	-6.899	0.4585577	-0.599002	
721116	15129	0.2124	87.17	21.340	-8.486	0.2037835	-0.503574	0.0086
721116	15159		87.31	20.816	-10.063	-0.0054017	-0.401510	
721116	15229	-0.1689	87.49	20.279	-11.627	-0.1660198	-0.293367	-0.0029
721116	15329	-0.3365	87.90	19.164	-14.723	-0.3311000	-0.060516	-0.0054
721116	15359		88.13	18.588	-16.255	-0.3304637	0.064193	
721116	15429	-0.2683	88.40	17.999	-17.775	-0.2779389	0.149187	0.0096
721116	15459		88.68	17.399	-19.285	-0.2057839	0.149231	
721116	15529	-0.1514	88.99	16.787	-20.785	-0.1453699	0.115324	-0.0060
721116	15629	-0.0533	89.67	15.534	-23.754	-0.0518245	0.098661	-0.0015
721116	15659		90.03	14.893	-25.223	-0.0029500	0.115905	
721116	15729	0.0607	90.43	14.243	-26.684	0.0549475	0.131524	0.0058
721116	15759		90.84	13.584	-28.135	0.1153706	0.126846	
721116	15829	0.1660	91.28	12.918	-29.578	0.1699395	0.108310	-0.0039
721116	15929	0.2441	92.21	11.562	-32.438	0.2448408	0.048960	-0.0007
721116	15959		92.70	10.875	-33.857	0.2583228	0.008187	
721116	2 029	0.2555	93.22	10.181	-35.268	0.2521404	-0.034296	0.0034
721116	2 059		93.74	9.482	-36.672	0.2272770	-0.072739	
721116	2 129	0.1847	94.30	8.777	-38.070	0.1868767	-0.098832	-0.0022
721116	2 314		96.36	6.278	-42.916	0.0507649	-0.027453	
721116	2 459	0.0818	98.63	3.742	-47.705	0.0794248	0.009153	0.0024
721116	2 529		99.31	3.013	-49.065	0.0733984	-0.039649	
721116	2 559	0.0392	100.01	2.282	-50.422	0.0442747	-0.078962	-0.0051
721116	2 659	-0.0096	101.44	0.820	-53.129	-0.0161215	-0.021646	0.0065
721116	2 729		102.17	0.089	-54.481	-0.0055525	0.074963	
721116	2 759	0.0428	102.93	-0.642	-55.831	0.0475563	0.135490	-0.0048
721116	2 829		103.68	-1.371	-57.180	0.1014622	0.078437	
721116	2 859	0.1104	104.46	-2.099	-58.529	0.1142632	-0.015777	-0.0039
721116	2 959	0.0759	106.03	-3.550	-61.228	0.0592779	-0.074496	0.0166
721116	21029		106.83	-4.272	-62.579	0.0314149	-0.039000	
721116	21059	0.0060	107.64	-4.991	-63.931	0.0272010	0.022061	-0.0212
721116	21129		108.45	-5.706	-65.285	0.0529998	0.091015	
721116	21159	0.1182	109.28	-6.418	-66.641	0.1098597	0.150996	0.0083
721116	21259	0.2906	110.96	-7.828	-69.361	0.2768311	0.193438	0.0138
721116	21329		111.80	-8.526	-70.726	0.3630831	0.175899	
721116	21359	0.4157	112.65	-9.218	-72.094	0.4380307	0.150440	-0.0223
721116	21429		113.50	-9.905	-73.467	0.5035318	0.134977	
721116	21459	0.5635	114.37	-10.585	-74.844	0.5609787	0.108566	0.0025
721116	21559	0.6261	116.09	-11.926	-77.612	0.6024779	-0.039942	0.0236
721116	21629		116.95	-12.586	-79.005	0.5570794	-0.162040	
721116	21659	0.4347	117.83	-13.237	-80.403	0.4536690	-0.278858	-0.0190
721116	21914		121.74	-16.063	-86.776	-0.2748509	-0.279184	
721116	22129	-0.5815	125.63	-18.686	-93.296	-0.5925256	-0.115110	0.0110
721116	22329	-0.7413	127.33	-19.776	-96.247	-0.7357510	-0.212593	-0.0055
721116	22529		128.17	-20.303	-97.736	-0.8532218	-0.300659	
721116	22329	-1.0124	129.01	-20.817	-99.232	-1.0088786	-0.307568	-0.0115
721116	22359		129.84	-21.317	-100.738	-1.1082040	-0.125944	
721116	22429	-1.0935	130.66	-21.803	-102.252	-1.1064075	-0.125618	0.0129
721116	22529	-0.8136	132.29	-22.733	-105.307	-0.8105438	-0.482788	-0.0031
721116	22559		133.08	-23.175	-106.848	-0.5614000	0.588394	
721116	22629	-0.2851	133.88	-23.602	-108.397	-0.286137	0.600622	-0.0035
721116	22659		134.65	-24.014	-109.955	-0.0280622	0.474745	
721116	22729	0.1518	135.43	-24.409	-111.522	0.1478569	0.291096	0.0039
721116	22829	0.2695	136.93	-25.158	-114.680	-0.2713743	-0.008517	-0.0019
721116	22859		137.66	-25.495	-116.271	0.2398058	-0.124481	
721116	22929	0.1636	138.39	-25.823	-117.869	0.1631845	-0.106576	0.0004

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DTEIT = 0.2000000

CONCAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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721116 52230	0.6954	113.19	18.804	84.793	0.6954293	-0.276308	0.0000
721116 52330	0.4855	111.46	19.904	81.791	0.4847077	-0.206978	0.0008
721116 524 0		110.60	20.436	80.273	0.3847503	-0.232753	
721116 52430	0.2679	109.75	20.955	78.743	0.2714756	-0.247591	-0.0036
721116 52530	0.1037	108.07	21.953	75.647	0.0961323	-0.090756	0.0076
721116 526 0		107.24	22.431	74.082	0.0914693	0.080917	
721116 52630	0.1558	106.42	22.895	72.504	0.1635467	0.205145	-0.0077
721116 527 0		105.61	23.343	70.914	0.2567222	0.172314	
721116 52730	0.3139	104.81	23.775	69.312	0.3122530	0.071892	0.0016
721116 52830	0.3119	103.23	24.591	66.073	0.3094803	-0.063312	0.0024
721116 53015		100.59	25.851	60.295	0.1500666	-0.089326	
721116 532 0	0.1008	98.12	26.883	54.388	0.1063283	0.043449	-0.0055
721116 53230		97.44	27.133	52.678	0.1370904	0.090486	
721116 533 0	0.1949	96.79	27.362	50.961	0.1890408	0.132071	0.0059
721116 534 0	0.3355	95.52	27.758	47.502	0.3332809	0.170386	0.0022
721116 53430		94.91	27.924	45.762	0.4117654	0.167117	
721116 535 0	0.4796	94.32	28.068	44.016	0.4879124	0.165591	-0.0083
721116 53530		93.75	28.191	42.265	0.5679342	0.183903	
721116 536 0	0.6608	93.19	28.291	40.509	0.6535357	0.174668	0.0073
721116 537 0	0.7242	92.14	28.424	36.985	0.7270782	-0.064395	-0.0029
721116 53730		91.64	28.457	35.220	0.6471237	-0.294223	
721116 538 0	0.4570	91.16	28.467	33.452	0.4591333	-0.498119	-0.0021
721116 53830		90.71	28.454	31.684	0.2043847	-0.583419	
721116 539 0	-0.0533	90.27	28.418	29.916	-0.0636215	-0.563364	0.0103
721116 540 0	-0.4942	89.46	28.279	26.382	-0.4733830	-0.267301	-0.0208
721116 54030		89.09	28.176	24.618	-0.5363597	0.008706	
721116 541 0	-0.4374	88.74	28.050	22.858	-0.4565869	0.341620	0.0292
721116 54130		88.41	27.901	21.101	-0.2165360	0.703030	
721116 542 0	0.1940	88.11	27.731	19.349	0.1831522	1.003285	0.0108
721116 543 0	1.1805	87.56	27.324	15.860	1.2243321	1.151372	-0.0438
721116 54330		87.33	27.088	14.126	1.7265741	0.999205	
721116 544 0	2.1664	87.11	26.832	12.398	2.1353085	0.771330	0.0311
721116 54615		86.44	25.423	4.728	2.6669028	-0.261636	
721116 54830	1.3895	86.26	23.628	-2.746	1.4964698	-0.777230	-0.0170
721116 54930	0.7300	86.33	22.717	-5.997	0.7222637	-0.670289	0.0077
721116 550 0		86.49	22.237	-7.606	0.4410623	-0.539258	
721116 55030	0.2437	86.50	21.742	-9.204	0.2251839	-0.402704	0.0185
721116 551 0		86.62	21.231	-10.791	0.0629638	-0.306811	
721116 55130	-0.0771	86.76	20.706	-12.366	-0.0600970	-0.223809	-0.0170

721116	55230	-0.1781	87.12	19.614	-15.483	-0.1740860	-0.013173	-0.0040
721116	553 0		87.34	19.048	-17.024	-0.1512770	0.114461	
721116	55330	-0.0587	87.58	18.469	-18.555	-0.0747086	0.201083	0.0160
721116	554 0		87.84	17.879	-20.075	0.0194821	0.190801	
721116	55430	0.0858	88.12	17.277	-21.584	0.0959193	0.144453	-0.0101
721116	55530	0.2089	88.76	16.042	-24.572	0.2131914	0.126072	-0.0043
721116	556 0		89.11	15.409	-26.051	0.2768990	0.154038	
721116	55630	0.3669	89.49	14.766	-27.520	0.3544029	0.175369	0.0125
721116	557 0		89.88	14.115	-28.981	0.4329738	0.158660	
721116	55730	0.4888	90.30	13.455	-30.432	0.4976853	0.121040	-0.0089
721116	55830	0.5703	91.19	12.113	-33.308	0.5706400	0.034459	-0.0003
721116	559 0		91.67	11.431	-34.734	0.5753925	-0.014502	
721116	55930	0.5643	92.17	10.742	-36.153	0.5580099	-0.058523	0.0063
721116	6 0 0		92.69	10.048	-37.564	0.5234569	-0.088884	
721116	6 030	0.4718	93.22	9.348	-38.968	0.4783620	-0.103493	-0.0066
721116	6 130	0.3930	94.35	7.934	-41.758	0.3885338	-0.079172	0.0045
721116	6 2 0		94.95	7.220	-43.144	0.3602773	-0.040255	
721116	6 230	0.3479	95.56	6.503	-44.525	0.3511455	-0.002752	-0.0032
721116	6 3 0		96.18	5.782	-45.901	0.3545527	0.014064	
721116	6 330	0.3656	96.83	5.059	-47.273	0.3618200	0.015859	0.0038
721116	6 430	0.3630	98.16	3.606	-50.005	0.3680449	-0.008613	-0.0050
721116	6 5 0		98.85	2.877	-51.365	0.3583650	-0.034880	
721116	6 530	0.3442	99.56	2.147	-52.723	0.3407191	-0.029431	0.0035
721116	6 6 0		100.27	1.416	-54.079	0.3423907	0.048804	
721116	6 630	0.3917	101.01	0.685	-55.433	0.3863538	0.130752	0.0053
721116	6 730	0.4939	102.51	-0.776	-58.136	0.5123433	0.098569	-0.0184
721116	6 8 0		103.28	-1.505	-59.487	0.5340190	-0.015563	
721116	6 830	0.5243	104.06	-2.232	-60.837	0.5030659	-0.096603	0.0212
721116	6 9 0		104.85	-2.958	-62.188	0.4650630	-0.046102	
721116	6 930	0.4670	105.66	-3.681	-63.539	0.4679171	0.052615	-0.0009
721116	61030	0.5378	107.29	-5.120	-66.244	0.5698290	0.144721	-0.0320
721116	611 0		108.12	-5.834	-67.600	0.6364685	0.138110	
721116	61130	0.7404	108.96	-6.545	-68.957	0.6982335	0.137211	0.0422
721116	612 0		109.80	-7.251	-70.317	0.7703245	0.182843	
721116	61230	0.8633	110.65	-7.952	-71.681	0.8665234	0.224966	-0.0032
721116	61330	1.0116	112.37	-9.340	-74.417	1.0554559	0.148562	-0.0439
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721116	62010	-0.2791	124.11	-17.833	-93.212	-0.2565267	-0.227332	-0.0226
721116	62110	-0.4674	125.85	-18.958	-96.139	-0.4917462	-0.289866	0.0243
721116	62140		126.72	-19.502	-97.616	-0.6363404	-0.338482	
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721116	62440		131.79	-22.494	-106.653	-0.5274291	0.562430	
721116	62510	-0.2430	132.61	-22.943	-108.190	-0.2465260	0.621903	0.0035
721116	62540		133.42	-23.377	-109.735	-0.0168407	0.486614	
721116	62610	0.1866	134.23	-23.795	-111.289	0.1903020	0.270201	-0.0037
721116	62710	0.2768	135.80	-24.584	-114.422	0.2750454	-0.064947	0.0018
721116	62740		136.57	-24.954	-116.002	0.2164017	-0.183689	
721116	62810	0.1118	137.33	-25.306	-117.588	0.1121889	-0.258514	-0.0004
721116	62910	-0.1360	138.81	-25.959	-120.785	-0.1360144	-0.242222	0.0000

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ROTR = 8.9400001E-03,
DTFIT = 0.2000000
CONFAC = 1.083000
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721116	91759	0.8445	120.39	14.274	94.082	0.8445229	-0.153196	0.0000
721116	91859	0.7329	118.59	15.529	91.245	0.7322816	-0.109760	0.0006
721116	91929		117.70	16.143	89.812	0.6774603	-0.132686	
721116	91959	0.6054	116.80	16.749	88.369	0.6081911	-0.165836	-0.0028
721116	92059	0.4404	115.01	17.931	85.451	0.4344893	-0.204193	0.0059
721116	92129		114.12	18.506	83.975	0.3386571	-0.209400	
721116	92159	0.2340	113.24	19.071	82.488	0.2401302	-0.221152	-0.0061
721116	92229		112.36	19.624	80.990	0.1310055	-0.255310	
721116	92259	0.0065	111.48	20.166	79.480	0.0668659	-0.273359	-0.0004
721116	92359	-0.1927	109.75	21.211	76.424	-0.2033683	-0.145594	0.0107
721116	92429		108.89	21.714	74.879	-0.2390277	0.000221	
721116	92459	-0.2224	108.04	22.203	73.321	-0.2073897	0.118579	-0.0150
721116	92529		107.19	22.677	71.751	-0.1463930	0.127402	
721116	92559	-0.0924	106.36	23.137	70.169	-0.0993801	0.073657	0.0070
721116	92659	-0.0903	104.72	24.009	66.968	-0.0978004	-0.080637	0.0075
721116	92729		103.91	24.421	65.350	-0.1576393	-0.181186	
721116	92759	-0.2739	103.12	24.816	63.720	-0.2596037	-0.246018	-0.0143
721116	92829		102.34	25.193	62.079	-0.3714685	-0.223814	
721116	92859	-0.4521	101.57	25.553	60.426	-0.4598628	-0.160008	0.0078
721116	93129		97.91	27.069	52.003	-0.5088997	0.101561	
721116	93359	-0.1359	94.64	28.077	43.358	-0.1298647	0.182630	-0.0060
721116	93429		94.03	28.214	41.608	-0.0487439	0.167017	
721116	93459	0.0274	93.45	28.329	39.853	0.0193083	0.118630	0.0081
721116	93559	0.0245	92.33	28.491	36.331	0.0249855	-0.142958	-0.0005
721116	93629		91.80	28.539	34.564	-0.0881168	-0.356158	
721116	93659	-0.3054	91.29	28.563	32.796	-0.2989872	-0.537585	-0.0064
721116	93729		90.80	28.565	31.026	-0.5662681	-0.600528	
721116	93759	-0.8299	90.34	28.544	29.256	-0.8371329	-0.557173	0.0072
721116	93859	-1.2157	89.46	28.434	25.716	-1.2101886	-0.188124	-0.0055
721116	93929		89.06	28.344	23.949	-1.2254792	0.137570	
721116	93959	-1.0770	88.68	28.232	22.184	-1.0805672	0.480123	0.0036
721116	94029		88.32	28.097	20.423	-0.7914471	0.762280	
721116	94059	-0.3894	87.98	27.940	18.665	-0.3888393	0.965607	-0.0006
721116	94159	0.5824	87.37	27.560	15.166	0.5857334	1.080476	-0.0033
721116	94229		87.10	27.337	13.425	1.0678899	0.992016	
721116	94259	1.4901	86.86	27.092	11.691	1.4853714	0.797307	0.0047
721116	94329		86.63	26.827	9.964	1.7863574	0.487358	
721116	94359	1.9302	86.44	26.540	8.246	1.9310329	0.149168	-0.0008
721116	94459	1.8137	86.11	25.907	4.835	1.8197908	-0.350948	-0.0059
721116	94529		85.98	25.560	3.143	1.6181252	-0.512875	
721116	94559	1.3627	85.88	25.194	1.461	1.3536656	-0.626435	0.0090
721116	94629		85.80	24.849	-0.211	1.0455443	-0.702017	
721116	94659	0.7070	85.75	24.406	-1.872	0.7119127	-0.735608	-0.0049
721116	94759	0.0483	85.72	23.547	-5.163	0.0512203	-0.664783	-0.0029
721116	94829		85.73	23.091	-6.792	-0.2333633	-0.560366	
721116	94859	-0.4572	85.78	22.619	-8.409	-0.4641198	-0.442433	0.0069
721116	94929		85.85	22.131	-10.015	-0.6448084	-0.343472	
721116	94959	-0.7851	85.94	21.628	-11.610	-0.7817664	-0.247748	-0.0033
721116	95059	-0.9127	86.20	20.577	-14.765	-0.9086803	-0.018817	-0.0040
721116	95129		86.36	20.030	-16.326	-0.8870990	0.114390	
721116	95159	-0.8612	86.56	19.470	-17.875	-0.8890405	0.208717	0.0078
721116	95229		86.77	18.897	-19.414	-0.7882681	0.212787	

721116	95259	-0.6228	87.01	18.312	-20.941	-0.6181082	0.180815	-0.0047
721116	95359	-0.4630	87.55	17.106	-23.964	-0.4610950	0.171391	-0.0019
721116	95429		87.85	16.487	-25.460	-0.3774617	0.193938	
721116	95459	-0.2774	88.19	15.857	-26.945	-0.2829530	0.210425	0.0056
721116	95529		88.53	15.218	-28.421	-0.1878251	0.196620	
721116	95559	-0.1079	88.91	14.569	-29.887	-0.1043577	0.163608	-0.0035
721116	95659	0.0063	89.72	13.247	-32.792	0.0074802	0.073219	-0.0012
721116	95729		90.16	12.573	-34.232	0.0283517	0.015843	
721116	95759	0.0264	90.62	11.893	-35.663	0.0226556	-0.037980	0.0037
721116	95829		91.10	11.205	-37.086	-0.0043743	-0.076575	
721116	95859	-0.0478	91.61	10.512	-38.502	-0.0456957	-0.099865	-0.0021
721116	95959	-0.1444	92.67	9.108	-41.313	-0.1248438	-0.100304	-0.0016
72111610	029		93.22	8.398	-42.708	-0.1844685	-0.077451	
72111610	059	-0.2094	93.81	7.684	-44.098	-0.2125397	-0.042775	0.0031
72111610	129		94.40	6.966	-45.482	-0.2226924	0.000171	
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72111610	259	-0.1801	96.30	4.792	-49.605	-0.1754870	0.031285	-0.0046
72111610	329		96.96	4.063	-50.971	-0.1690059	-0.007288	
72111610	359	-0.1720	97.65	3.332	-52.333	-0.1779189	-0.017936	0.0059
72111610	429		98.34	2.599	-53.693	-0.1732062	0.051739	
72111610	459	-0.1272	99.05	1.866	-55.050	-0.1281641	0.134288	0.0010
72111610	559	0.0010	100.52	0.398	-57.758	0.0132649	0.135665	-0.0123
72111610	629		101.27	-0.335	-59.109	0.0592606	0.054493	
72111610	659	0.0804	102.04	-1.068	-60.460	0.0649455	-0.017816	0.0155
72111610	729		102.81	-1.799	-61.810	0.0539369	-0.017824	
72111610	759	0.0531	103.61	-2.529	-63.160	0.0545207	0.021370	-0.0014
72111610	859	0.0986	105.22	-3.982	-65.862	0.1170151	0.118061	-0.0184
72111610	934		106.17	-4.825	-67.441	0.1984869	0.185756	
7211161010	9	0.3394	107.15	-5.663	-69.021	0.3125858	0.228236	0.0268
721116101044			108.13	-6.496	-70.604	0.4337885	0.212041	
721116101119	0.5172		109.13	-7.323	-72.190	0.5368629	0.172801	-0.0197
721116101219	0.6775		110.86	-8.726	-74.920	0.6760455	0.134839	0.0015
721116101249			111.72	-9.420	-76.291	0.7367579	0.129741	
721116101319	0.7996		112.61	-10.107	-77.665	0.7877311	0.071936	0.0119
721116101349			113.48	-10.788	-79.045	0.7855510	-0.100483	
721116101419	0.6813		114.38	-11.462	-80.428	0.6911568	-0.297442	-0.0099
721116101519	0.3061		116.16	-12.789	-83.213	0.3053719	-0.494415	0.0007
721116101549			117.04	-13.441	-84.614	0.0746031	-0.494462	
721116101619	-0.1349		117.95	-14.084	-86.020	-0.1396526	-0.419525	0.0048
721116101649			118.84	-14.719	-87.434	-0.2998072	-0.260300	
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721116101819	-0.3960		121.54	-16.566	-91.716	-0.3947814	0.012786	-0.0012
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721116101949			124.21	-18.320	-96.067	-0.5297622	-0.245239	
721116102019	-0.6633		125.10	-18.882	-97.533	-0.6608045	-0.306431	-0.0025
721116102119	-0.8979		126.86	-19.969	-100.490	-0.8972695	-0.142028	-0.0006
721116102149			127.73	-20.494	-101.983	-0.9144497	0.083521	
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721116102249			129.46	-21.504	-104.992	-0.6124950	0.540645	
721116102319	-0.3291		130.32	-21.987	-106.509	-0.3283980	0.672656	-0.0007
721116102419	0.3007		132.01	-22.911	-109.571	0.3030638	0.626078	-0.0024
721116102449			133.82	-23.351	-111.117	0.5548493	0.447540	
721116102519	0.7157		135.66	-23.775	-112.669	0.7115880	0.238454	0.0041
721116102549			134.46	-24.183	-114.231	0.7815892	0.071910	
721116102619	0.7813		135.27	-24.575	-115.800	0.7846919	-0.050992	-0.0034
721116102719	0.6749		136.84	-25.308	-118.965	0.6724647	-0.162187	0.0015
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CONFAC = 1.083000
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721116171530	0.7701	123.66	12.727	93.718	0.7701285	-0.147052	0.0000
721116171630	0.6419	121.82	14.019	90.931	0.6411299	-0.140195	0.0008
7211161717 0		120.89	14.655	89.523	0.5735787	-0.154396	
721116171730	0.4946	119.96	15.282	88.106	0.4980765	-0.171781	-0.0035
721116171830	0.3366	118.11	16.511	85.243	0.3292122	-0.190387	0.0074
7211161719 0		117.18	17.113	83.796	0.2408251	-0.191608	
721116171930	0.1429	116.26	17.704	82.337	0.1511560	-0.200189	-0.0083
7211161720 0		115.33	18.285	80.868	0.0528836	-0.228378	
721116172030	-0.0556	114.41	18.856	79.389	-0.0579237	-0.242898	0.0023
721116172130	-0.2346	112.58	19.963	76.393	-0.2418863	-0.122601	0.0073
7211161722 0		111.67	20.499	74.878	-0.2693855	0.011715	
721116172230	-0.2473	110.77	21.022	73.351	-0.2355539	0.116887	-0.0117
7211161723 2		109.80	21.574	71.683	-0.1737250	0.109236	
721116172335	-0.1296	108.83	22.109	70.000	-0.1376392	0.033430	0.0080
721116172440	-0.1925	106.93	23.130	66.593	-0.1915333	-0.147768	-0.0010
721116172510		106.07	23.577	65.001	-0.2818376	-0.244736	
721116172540	-0.4124	105.21	24.008	63.396	-0.4985400	-0.283480	-0.0039
721116172610		104.37	24.423	61.780	-0.5243776	-0.197393	
721116172640	-0.5796	103.54	24.821	60.152	-0.5839596	-0.066699	0.0044
721116172740	-0.5660	101.90	25.564	56.861	-0.5631173	0.088152	-0.0029
721116172810		101.10	25.909	55.198	-0.5154713	0.112274	
721116172840	-0.4600	100.31	26.235	53.524	-0.4612387	0.124770	0.0012
721116172910		99.54	26.542	51.841	-0.3983645	0.149588	
721116172940	-0.3219	98.78	26.829	50.146	-0.3231674	0.174892	0.0013
721116173040	-0.1581	97.31	27.343	46.730	-0.1537100	0.184336	-0.0004
721116173110		96.60	27.569	45.008	-0.0713827	0.170064	
721116173140	0.0077	95.90	27.775	43.278	0.0048146	0.165487	0.0029
721116173210		95.22	27.959	41.541	0.0063983	0.193236	
721116173240	0.1884	94.56	28.121	39.797	0.1784329	0.189768	0.0100
721116173340	0.2198	93.28	28.379	36.291	0.2483705	-0.101464	-0.0386
721116173410		92.67	28.475	34.530	0.1386993	-0.399320	
721116173440	-0.0861	92.08	28.548	32.766	-0.1993194	-0.607333	0.0142
721116173510		91.51	28.599	30.998	-0.3860555	-0.591111	
721116173540	-0.5880	90.96	28.626	29.228	-0.6272987	-0.452450	0.0393
721116173640	-0.9487	89.93	28.613	25.685	-0.9056873	-0.143907	-0.0431
721116173915		87.64	28.155	16.545	-0.1170977	0.851483	
721116174150	2.0648	85.97	27.898	7.515	1.9957862	0.386601	0.0690
721116174220		85.72	26.827	5.788	0.8727334	-0.078349	
721116174250	1.8301	85.50	26.535	4.068	1.9326528	-0.503918	-0.1826
721116174350	1.2919	85.12	25.891	0.656	2.2618014	-0.898243	0.0281
721116174420		84.97	25.538	-1.036	0.8936434	-0.725825	
721116174450	0.6335	84.84	25.167	-2.718	0.5963143	-0.590636	0.0372
721116174520		84.74	24.777	-4.390	0.3323205	-0.572177	
721116174550	0.0277	84.67	24.368	-6.051	0.0631048	-0.585471	-0.0384
721116174650	-0.4290	84.59	23.498	-9.341	-0.4323604	-0.452171	0.0034
721116174720		84.59	23.037	-10.970	-0.6893621	-0.385525	
721116174750	-0.6954	84.62	22.559	-12.587	-0.7126316	-0.146773	0.0172
721116174820		84.67	22.066	-14.193	-0.7493113	-0.016914	

721116174850	-0.7496	84.74	21.557	-15.787	-0.7327871	0.083572	-0.0168
721116174950	-0.5873	84.97	20.495	-18.941	-0.5947726	0.195587	0.0075
721116175020		85.12	19.943	-20.502	-0.5006542	0.207087	
721116175050	-0.4072	85.30	19.378	-22.050	-0.4058971	0.203378	-0.0013
721116175225		86.01	17.506	-26.882	-0.1198007	0.186758	
721116175400	0.1132	86.98	15.522	-31.609	-0.1134919	0.115384	-0.0003
721116175500	0.1785	87.71	14.219	-34.544	-0.1780623	0.017687	0.0004
721116175530		88.10	13.554	-35.997	-0.1718171	-0.046438	
721116175600	0.1357	88.53	12.881	-37.442	-0.1359494	-0.105584	-0.0002
721116175630		88.97	12.201	-38.878	-0.0774245	-0.144589	
721116175700	0.0053	89.44	11.514	-40.306	-0.0055784	-0.163210	-0.0003
721116175800	-0.1391	90.43	10.121	-43.140	-0.1400981	-0.138574	0.0010
721116175830		90.96	9.415	-44.546	-0.1948833	-0.095317	
721116175900	-0.2279	91.51	8.705	-45.946	-0.2263742	-0.040778	-0.0015
721116175930		92.08	7.990	-47.339	-0.2322374	0.015702	
721116180000	-0.2120	92.67	7.271	-48.727	-0.2138074	0.059631	0.0018
721116180100	-0.1493	93.91	5.822	-51.487	-0.1473133	0.066369	-0.0020
721116180130		94.55	5.093	-52.860	-0.1242170	0.029178	
721116180200	-0.1161	95.21	4.362	-54.229	-0.1172129	0.012512	0.0011
721116180230		95.90	3.629	-55.594	-0.1021857	0.063934	
721116180300	-0.0544	96.59	2.894	-56.956	-0.0559442	0.123378	0.0025
721116180400	0.0480	98.03	1.422	-59.672	-0.0558029	0.086136	-0.0078
721116180430		98.78	0.685	-61.027	-0.0752532	-0.010551	
721116180500	0.0589	99.54	-0.051	-62.381	-0.0497872	-0.083021	0.0091
721116180532		100.38	-0.848	-63.846	-0.0120672	-0.048130	
721116180605	0.0062	101.23	-1.644	-65.310	-0.0096077	0.034582	-0.0034
721116180710	0.0948	102.98	-3.229	-68.238	-0.1009374	0.133186	-0.0061
721116180740		103.81	-3.957	-69.591	-0.1667425	0.148647	
721116180810	0.2494	104.65	-4.683	-70.944	-0.2368024	0.155085	0.0126
721116180840		105.50	-5.405	-72.300	-0.3100896	0.162476	
721116180910	0.3734	106.35	-6.123	-73.657	-0.3859075	0.163902	-0.0125
721116181010	0.5340	108.10	-7.547	-76.378	-0.5246910	0.128117	0.0093
721116181040		108.98	-8.252	-77.744	-0.5757557	0.090894	
721116181110	0.5946	109.87	-8.952	-79.113	-0.6900682	-0.001945	-0.0055
721116181145		110.92	-9.761	-80.715	-0.5422937	-0.234828	
721116181220	0.3431	111.97	-10.562	-82.323	-0.3413447	-0.500120	0.0018
721116181715		121.04	-16.889	-96.185	-2.6478755	-0.001555	
721116182210	0.3838	130.00	-22.187	-110.774	-0.3855051	0.535867	-0.0017
721116182240		130.88	-22.654	-112.305	-0.5852358	0.320854	
721116182310	0.6857	131.75	-23.105	-113.844	-0.6824401	0.109977	0.0033
721116182410	0.6495	133.47	-23.961	-116.949	-0.6515543	-0.138298	-0.0021
721116182510	0.4987	135.16	-24.753	-120.088	-0.4982824	-0.155111	0.0004

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NOTR = 8.9480000E-03,

DIFIT = 0.2000000

COMCAC = 1.083000

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YMDORHHMMSS	Hz	Km	Deg.	Deg.	Hz	m/s**2	Hz
721116211430	0.7437	124.88	12.201	92.836	0.7436596	-0.072321	0.0000
721116211530	0.6219	123.01	13.503	90.064	0.6229925	-0.165009	-0.0011
721116211600		122.07	14.143	88.665	0.5472091	-0.157276	
721116211630	0.4839	121.13	14.777	87.256	0.4789782	-0.141693	0.0049
721116211730	0.3304	119.24	16.019	84.410	0.3406070	-0.171588	-0.0102
721116211800		118.29	16.627	82.971	0.2516728	-0.217067	
721116211830	0.1486	117.35	17.226	81.522	0.1430097	-0.244132	0.0056
721116211900		116.41	17.815	80.063	0.0350511	-0.214015	
721116211930	-0.0360	115.47	18.394	78.592	-0.0507058	-0.158573	0.0147
721116212030	-0.1745	113.59	19.519	75.617	-0.1529701	-0.067286	-0.0215
721116212155		110.97	21.031	71.321	-0.1799397	0.017313	
721116212320	-0.1543	108.39	22.438	66.928	-0.1863822	-0.078587	6.0321
721116212350		107.49	22.908	65.354	-0.2460257	-0.186134	
721116212420	-0.3915	106.61	23.362	63.768	-0.3546516	-0.270398	-0.0368
721116212520	-0.5862	104.86	24.223	60.559	-0.5906586	-0.184166	0.0045
721116212550		104.00	24.629	58.937	-0.6395895	-0.013587	
721116212620	-0.5857	103.15	25.017	57.302	-0.6057773	0.140457	0.0201
721116212650		102.31	25.389	55.657	-0.5280194	0.176648	
721116212720	-0.4671	101.49	25.742	53.999	-0.4510160	0.158583	-0.0161
721116212820	-0.3119	99.87	26.392	50.652	-0.3111161	0.150726	-0.0008
721116212850		99.09	26.689	48.963	-0.2395156	0.160944	
721116212920	-0.1508	98.32	26.966	47.263	-0.1614317	0.178162	0.0106
721116212950		97.56	27.232	45.555	-0.0742977	0.199975	
721116213020	0.0144	96.82	27.458	43.837	0.0214239	0.210154	-0.0070
721116213120	0.1920	95.39	27.868	40.377	0.1948786	0.146906	-0.0029
721116213150		94.69	28.040	38.636	0.2468859	0.073612	
721116213220	0.2635	94.02	28.191	36.888	0.2545664	-0.053673	0.0029
721116213250		93.36	28.319	35.135	0.1849641	-0.261125	
721116213320	0.0069	92.73	28.426	33.376	0.0148643	-0.459631	-0.0080
721116213420	-0.4837	91.51	28.571	29.847	-0.4875888	-0.563293	0.0038
721116213450		90.93	28.609	28.077	-0.7294787	-0.468353	
721116213520	-0.9049	90.38	28.625	26.366	-0.9047139	-0.274155	-0.0002
721116213550		89.84	28.617	24.533	-0.9670494	0.020997	
721116213620	-0.8848	89.32	28.587	22.760	-0.8814170	0.341868	-0.0034
721116213720	-0.3149	88.36	28.457	19.217	-0.3223190	0.836383	0.0074
721116213750		87.90	28.358	17.447	0.1058917	1.009980	
721116213820	0.5850	87.48	28.237	15.681	0.5930666	1.072093	-0.0001
721116213850		87.07	28.092	13.918	1.0609652	0.968084	
721116213920	1.4646	85.69	27.926	12.160	1.4634991	0.743554	0.0011
721116214020	1.9221	86.00	27.526	8.659	1.9119360	0.204149	0.0102
721116214050		85.69	27.293	6.917	1.9330151	-0.118762	
721116214120	1.7931	85.41	27.039	5.183	1.8091121	-0.397363	-0.0160
721116214150		85.15	26.763	3.457	1.5840602	-0.553086	
721116214220	1.3218	84.91	26.467	1.738	1.3104717	-0.630363	0.0113
721116214320	0.6911	84.52	25.814	-1.672	0.6925636	-0.686444	-0.0015
721116214350		84.36	25.458	-3.363	0.3794777	-0.664415	
721116214420	0.0798	84.22	25.082	-5.044	0.0834789	-0.614092	-0.0037
721116214450		84.11	24.688	-6.715	-0.1837747	-0.539291	
721116214520	-0.4122	84.03	24.276	-8.375	-0.4117115	-0.446497	-0.0005
721116214620	-0.7162	83.94	23.398	-11.663	-0.7254134	-0.225207	0.0092
721116214650		83.94	22.933	-13.290	-0.8002362	-0.096879	
721116214720	-0.8288	83.96	22.452	-14.906	-0.8156929	0.026214	-0.0131
721116214750		84.08	21.955	-16.511	-0.7794154	0.127209	
721116214820	-0.6957	84.07	21.443	-18.104	-0.7026820	0.199384	0.0076
721116214920	-0.4857	84.29	20.375	-21.256	-0.4900562	0.237560	0.0044
721116214950		84.44	19.819	-23.015	-0.3069476	0.203527	
721116215020	-0.3124	84.62	19.251	-24.362	-0.3015718	0.173063	-0.0108
721116215050		84.81	18.670	-25.899	-0.2205041	0.185128	
721116215120	-0.1209	85.04	18.077	-27.425	-0.1291053	0.207135	0.0002
721116215220	0.0568	85.56	16.856	-30.444	0.0580839	0.183218	-0.0013
721116215250		85.86	16.229	-31.939	0.1329860	0.137372	
721116215320	0.1798	86.18	15.592	-33.423	0.1831423	0.084270	-0.0033
721116215350		86.52	14.945	-34.897	0.2871364	0.023738	
721116215420	0.2095	86.90	14.290	-36.362	0.2083563	-0.030051	0.0041

721116215520	0.1265	87.71	12.954	-39.265	0.1299103	-0.130331	-0.0034
721116215550		88.14	12.274	-40.703	0.0592526	-0.175136	
721116215620	-0.0250	88.61	11.587	-42.133	-0.0270945	-0.189378	0.0021
721116215650		89.09	10.894	-43.556	-0.1067089	-0.145785	
721116215720	-0.1568	89.60	10.194	-44.971	-0.1577578	-0.076471	0.0010
721116215820	-0.1764	90.67	8.779	-47.781	-0.1711902	-0.043144	-0.0052
721116215850		91.24	8.064	-49.176	-0.1394088	0.093440	
721116215920	-0.0821	91.83	7.345	-50.566	-0.0893510	0.114925	0.0073
721116215950		92.44	6.622	-51.950	-0.0411789	0.085159	
72111622 020	-0.0173	93.07	5.895	-53.329	-0.0123926	0.044468	-0.0049
72111622 120	0.0231	94.38	4.435	-56.075	0.0227359	0.051209	0.0004
72111622 150		95.06	3.701	-57.441	0.0562115	0.098671	
72111622 220	0.1123	95.77	2.966	-58.805	0.1098111	0.119969	0.0025
72111622 255		96.60	2.108	-60.392	0.1583087	0.041560	
72111622 330	0.1471	97.47	1.248	-61.976	0.1505178	-0.059522	-0.0034
72111622 440	0.0648	99.25	-0.471	-65.137	0.0602412	-0.064197	0.0046
72111622 510		100.04	-1.207	-66.490	0.0468915	0.144446	
72111622 540	0.0685	100.84	-1.941	-67.843	0.0734360	0.092239	-0.0049
72111622 610		101.65	-2.673	-69.195	0.1243755	0.120035	
72111622 640	0.1836	102.48	-3.404	-70.548	0.1809105	0.125998	0.0027
72111622 740	0.3106	104.18	-4.857	-73.257	0.3096367	0.157080	0.0010
72111622 810		105.03	-5.578	-74.614	0.3877312	0.182207	
72111622 840	0.4702	105.91	-6.296	-75.972	0.4736409	0.179809	-0.0034
72111622 910		106.79	-7.010	-77.333	0.5442975	0.115955	
72111622 940	0.5791	107.68	-7.718	-78.697	0.5750136	0.015003	0.0041
721116221040	0.4778	109.48	-9.121	-81.435	0.4818176	-0.225415	-0.0040
721116221110		110.39	-9.814	-82.810	0.3460111	-0.364894	
721116221140	0.1545	111.31	-10.501	-84.189	0.1514316	-0.461988	0.0031
721116221210		112.24	-11.181	-85.573	-0.0655758	-0.461601	
721116221240	-0.2657	113.17	-11.854	-86.962	-0.2659373	-0.403635	0.0002
721116221340	-0.5711	115.04	-13.177	-89.756	-0.5660784	-0.234576	-0.0050
721116221410		115.97	-13.827	-91.163	-0.6495124	-0.124708	
721116221440	-0.6807	116.92	-14.467	-92.575	-0.6875165	-0.059482	0.0068
721116221510		117.86	-15.099	-93.994	-0.7215373	-0.106393	
721116221540	-0.7936	118.81	-15.721	-95.420	-0.7901394	-0.181871	-0.0035
721116221820		123.83	-18.864	-103.154	-0.9262620	0.327279	
7211162221 0	0.5513	128.77	-21.664	-111.121	0.5484129	0.503824	0.0029
721116222130		129.67	-22.145	-112.643	0.7350785	0.291916	
7211162222 0	0.8125	130.58	-22.613	-114.173	0.8172749	0.075578	-0.0048
7211162223 0	0.7639	132.36	-23.502	-117.259	0.7611132	-0.151547	0.0028
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CONFAC = 1.083000

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721117 522 9	-0.2598	108.69	22.471	62.886	-0.2597900	-0.354267	0.0000
721117 523 9	-0.4159	106.81	23.391	59.725	-0.4161704	-0.011705	0.0003
721117 52339		105.88	23.828	58.126	-0.3946207	0.098252	
721117 524 9	-0.3322	104.96	24.249	56.515	-0.3309796	0.172246	-0.0012
721117 525 9	-0.1345	103.15	25.041	53.257	-0.1370879	0.227010	0.0026
721117 52539		102.26	25.411	51.610	-0.0355298	0.207788	
721117 526 9	0.0506	101.39	25.763	49.952	0.0533605	0.179377	-0.0028
721117 52639		100.52	26.096	48.283	0.1320550	0.163664	
721117 527 9	0.2062	99.67	26.410	46.603	0.2060026	0.157839	0.0002
721117 528 9	0.3579	98.02	26.981	43.212	0.3539983	0.167443	0.0039
721117 52839		97.21	27.236	41.502	0.4345872	0.182870	
721117 529 9	0.5088	96.42	27.470	39.783	0.5143762	0.143211	-0.0056
721117 52939		95.65	27.684	38.056	0.5487842	-0.013685	
721117 530 9	0.4978	94.89	27.876	36.321	0.4956174	-0.210317	0.0022
721117 531 9	0.1644	93.43	28.196	32.829	0.1605984	-0.490128	0.0038
721117 53139		92.73	28.323	31.074	-0.0863267	-0.573316	
721117 532 9	-0.3604	92.05	28.427	29.314	-0.3553618	-0.569304	-0.0050
721117 53239		91.39	28.509	27.550	-0.5909831	-0.428707	
721117 533 9	-0.7423	90.74	28.569	25.782	-0.7379996	-0.202297	-0.0043
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721117 53439		88.94	28.610	20.464	-0.4388127	0.686816	
721117 535 9	-0.0653	88.38	28.578	18.689	-0.0533713	0.956372	-0.0119
721117 53654		86.61	28.284	12.487	1.5065348	0.650510	
721117 53839	1.6911	85.13	27.712	6.323	1.6830338	-0.334585	0.0081
721117 53939	1.2137	84.42	27.264	2.831	1.2207433	-0.630910	-0.0070
721117 540 9		84.10	27.007	1.095	0.9076684	-0.713458	
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721117 541 9		83.54	26.431	-2.353	0.2366552	-0.698522	
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721117 55639		88.45	9.376	-50.520	-0.0327436	0.173138	
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721117 558 9	0.1666	90.20	7.225	-54.712	0.1862257	0.077699	-0.0196
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721117 61759		125.16	-19.891	-109.861	0.2833681	0.562305	
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721117 61859		127.11	-20.936	-112.853	0.5930187	0.073260	
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721117 91029		130.93	9.271	92.896	0.9874252	-0.204302	
721117 91059	0.7149	129.96	9.948	91.549	0.7134966	-0.202068	0.0014
721117 91159	0.5230	127.99	11.206	88.896	0.5259739	-0.204251	-0.0030
721117 91229		126.99	11.947	87.468	0.4310758	-0.207085	
721117 91259	0.3303	125.99	12.693	86.091	0.3364644	-0.205348	0.0028
721117 91329		124.99	13.252	84.707	0.2431008	-0.193015	
721117 91359	0.1508	123.98	13.894	83.313	0.1574623	-0.179322	0.0013
721117 91459	-0.0118	121.96	15.156	80.498	-0.0030342	-0.178472	-0.0079
721117 91529		120.94	15.775	79.076	-0.0069167	-0.180316	
721117 91559	-0.1596	119.93	16.386	77.643	-0.1701003	-0.163324	0.0106
721117 91629		118.91	16.988	76.200	-0.2267183	-0.163017	
721117 91659	-0.2395	117.89	17.580	74.747	-0.2387947	0.020020	-0.0057
721117 91759	-0.1046	115.86	18.733	71.806	-0.1812023	0.044131	-0.0033
721117 91829		114.85	19.294	70.319	-0.1779043	-0.039596	
721117 91859	-0.2133	113.84	19.843	68.819	-0.3220604	-0.150709	0.0008
721117 91929		112.84	20.381	67.348	-0.3161275	-0.255741	
721117 91959	-0.4601	111.84	20.965	65.786	-0.4522364	-0.321980	-0.0079
721117 92059	-0.7295	109.86	21.916	62.702	-0.7335923	-0.239762	0.0041

721117 92129		108.87	22.400	61.142	-0.8127778	-0.091346	
721117 92159	-0.8178	107.90	22.870	59.570	-0.8164093	0.067000	-0.0014
721117 92229		106.93	23.325	57.985	-0.7588663	0.173662	
721117 92259	-0.6619	105.97	23.764	56.388	-0.6622602	0.240011	0.0004
721117 92444		102.69	25.173	50.703	-0.2232145	0.244310	
721117 92629	0.0863	99.56	26.364	44.875	0.0864080	0.172703	-0.0001
721117 92659		98.70	26.662	43.186	0.1693777	0.189480	
721117 92729	0.2578	97.85	26.940	41.487	0.2582446	0.185970	-0.0004
721117 92829	0.3668	96.19	27.436	38.059	0.3651842	0.007578	0.0016
721117 92859		95.39	27.652	36.332	0.3305105	-0.167305	
721117 92929	0.2074	94.61	27.848	34.598	0.2093537	-0.350944	-0.0020
721117 92959		93.84	28.022	32.855	0.0125579	-0.494973	
721117 93029	-0.2365	93.09	28.174	31.106	-0.2367578	-0.567994	0.0003
721117 93129	-0.7158	91.65	28.412	27.591	-0.7183306	-0.406822	0.0025
721117 93159		90.95	28.497	25.826	-0.8560311	-0.172629	
721117 93229	-0.8729	90.28	28.560	24.058	-0.8696827	0.113851	-0.0032
721117 93259		89.63	28.599	22.286	-0.7505714	0.402500	
721117 93329	-0.5046	89.01	28.616	20.513	-0.5038159	0.653551	-0.0008
721117 93429	0.2555	87.82	28.581	16.962	0.2481167	0.923559	0.0074
721117 93459		87.25	28.529	15.186	0.6818582	0.942516	
721117 93529	1.0884	86.72	28.454	13.412	1.0990478	0.835729	-0.0106
721117 93559		86.20	28.355	11.639	1.4267416	0.554820	
721117 93629	1.6088	85.71	28.235	9.870	1.6015133	0.218012	0.0073
721117 93729	1.5264	84.80	27.925	6.341	1.5269523	-0.340628	-0.0006
721117 93759		84.39	27.736	4.584	1.3203944	-0.546460	
721117 93829	1.0295	84.00	27.526	2.832	1.0335573	-0.679613	-0.0041
721117 93859		83.63	27.293	1.087	0.7081065	-0.713735	
721117 93929	0.3985	83.29	27.039	-0.652	0.3631831	-0.691580	0.0053
721117 94029	-0.2256	82.69	26.468	-4.105	-0.2203754	-0.606714	-0.0052
721117 94059		82.43	26.151	-5.819	-0.4865272	-0.544002	
721117 94129	-0.7166	82.20	25.814	-7.524	-0.7187898	-0.455974	0.0022
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721117 94229	-1.0178	81.82	25.082	-10.905	-1.0226940	-0.195461	0.0049
721117 94329	-1.1025	81.54	24.273	-14.246	-1.0961120	0.025330	-0.0054
721117 94514		81.33	22.689	-19.986	-0.8449863	0.251493	
721117 94659	-0.3898	81.46	20.905	-25.588	-0.3996313	0.261758	0.0098
721117 94729		81.56	20.362	-27.163	-0.2870581	0.223044	
721117 94759	-0.2072	81.68	19.805	-28.726	-0.1944794	0.179942	-0.0127
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721117 94929		82.23	18.057	-33.350	-0.0012811	0.114969	
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721117 95059	0.0500	83.02	16.203	-37.877	0.0827047	-0.025874	-0.0027
721117 95159	0.0041	83.68	14.915	-40.844	0.0077930	-0.130594	-0.0037
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721117 95459	-0.1154	86.26	10.849	-49.528	-0.1045335	0.154369	-0.0109
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721117 95759	0.1431	89.71	6.563	-57.946	0.1400458	0.022748	-0.0053
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72111710 229		96.30	-0.057	-70.265	-0.1445905	0.120302	
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DIET = 0.2000000

CONCAC = 1.083000

ENDP

EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hr	Km	Deg.	Deg.	Hr	mm/s**2	Hr
721117131719	-0.2221	116.28	18.695	70.042	-0.2221158	0.045634	0.0000
721117131819	-0.4130	114.19	19.807	67.058	-0.4125741	-0.365710	-0.0004
721117131849		113.16	20.345	65.548	-0.5861866	-0.363363	
721117131919	-0.7340	112.13	20.871	64.027	-0.7358955	-0.281808	0.0019
721117132019	-0.9029	110.08	21.884	60.946	-0.8995575	-0.659533	-0.0033
721117132049		109.06	22.369	59.387	-0.8953202	0.081178	
721117132119	-0.8242	108.05	22.848	57.816	-0.8264779	0.209823	0.0023
7211171323 4		104.59	24.369	52.219	-0.3334518	0.310156	
721117132449	0.0571	101.26	25.692	46.474	0.0598847	0.193875	-0.0020
721117132549	0.2303	99.42	26.349	43.129	0.2273173	0.176459	0.0030
721117132619		98.52	26.649	41.439	0.3895981	0.181120	
721117132649	0.3845	97.64	26.929	39.740	0.3873649	0.139052	-0.0029
721117132719		96.77	27.189	38.031	0.4221623	-0.005345	
721117132749	0.3804	95.92	27.428	36.313	0.3765413	-0.187915	0.0039
721117132849	0.0568	94.27	27.844	32.851	0.0625568	-0.474796	-0.0058
721117132919		93.47	28.019	31.108	-0.1817024	-0.579129	
721117132949	-0.4509	92.69	28.173	29.359	-0.4568035	-0.583491	0.0059
721117133019		91.93	28.305	27.603	-0.6937314	-0.414838	
721117133049	-0.8276	91.19	28.415	25.842	-0.8256341	-0.157132	-0.0020
721117133149	-0.7368	89.77	28.566	22.307	-0.7324817	0.359552	-0.0043
721117133219		89.09	28.608	20.534	-0.5865815	0.619330	
721117133249	-0.1613	88.43	28.626	18.759	-0.1690217	0.824371	0.0077

721117133319		87.79	28.622	16.983	0.2375810	0.918826	
721117133349	0.6571	87.18	28.594	15.206	0.6627318	0.905039	-0.0056
721117133449	1.3724	86.03	28.470	11.653	1.3715363	0.559595	0.0009
721117133519		85.49	28.374	9.878	1.5573953	0.227990	
721117133549	1.5825	84.97	28.254	8.107	1.5802274	-0.115303	0.0023
721117133619		84.48	28.112	6.338	1.4636931	-0.375802	
721117133649	1.2422	84.01	27.947	4.574	1.2448601	-0.560599	-0.0027
721117133749	0.6326	83.16	27.550	1.061	0.6307209	-0.723765	0.0019
721117133819		82.77	27.319	-0.687	0.2989528	-0.702167	
721117133849	-0.0126	82.41	27.066	-2.427	-0.0126181	-0.648005	0.0000
721117133919		82.07	26.792	-4.160	-0.2999614	-0.597529	
721117133949	-0.5674	81.77	26.496	-5.886	-0.5623234	-0.533887	-0.0051
721117134049	-0.9542	81.24	25.844	-9.310	-0.9642457	-0.316694	0.0100
721117134119		81.01	25.488	-11.008	-1.0761539	-0.163157	
721117134149	-1.1222	80.82	25.113	-12.696	-1.1152360	-0.011891	-0.0070
721117134334		80.35	23.653	-18.522	-0.8697580	0.245134	
721117134519	-0.4571	80.24	21.980	-24.212	-0.4614563	0.245132	0.0044
721117134619	-0.2550	80.33	20.938	-27.401	-0.2515893	0.204517	-0.0034
721117134649		80.42	20.394	-28.979	-0.1641381	0.173137	
721117134719	-0.0924	80.54	19.837	-30.545	-0.0917279	0.141729	-0.0007
721117134749		80.69	19.267	-32.099	-0.0321388	0.117666	
721117134819	0.0172	80.86	18.683	-33.643	0.0169936	0.094091	0.0002
721117134919	0.0786	81.30	17.480	-36.697	0.0752656	0.027893	0.0033
721117134949		81.55	16.861	-38.208	0.0785486	-0.014727	
721117135019	0.0563	81.84	16.232	-39.709	0.0606257	-0.064091	-0.0043
721117135049		82.15	15.592	-41.200	0.0182800	-0.120558	
721117135119	-0.0478	82.50	14.943	-42.681	-0.0473165	-0.158960	-0.0005
721117135219	-0.1589	83.26	13.617	-45.614	-0.1673403	-0.070872	0.0084
721117135249		83.68	12.941	-47.067	-0.1746311	0.047793	
721117135319	-0.1369	84.13	12.258	-48.512	-0.1256087	0.150812	-0.0113
721117135349		84.60	11.568	-49.948	-0.0480630	0.171429	
721117135419	0.0291	85.10	10.872	-51.377	0.0259104	0.148049	0.0032
721117135519	0.1458	86.17	9.460	-54.212	0.1349805	0.084454	0.0108
721117135549		86.74	8.747	-55.620	0.1649009	0.044241	
721117135619	0.1588	87.33	8.038	-57.021	0.1771987	0.012933	-0.0184
721117135649		87.95	7.306	-58.416	0.1804523	0.005068	
721117135719	0.1948	88.59	6.579	-59.806	0.1811617	-0.007452	0.0136
721117135819	0.1247	89.94	5.117	-62.571	0.1274570	-0.130695	-0.0028
721117135849		90.64	4.383	-63.946	0.0428312	-0.241403	
721117135919	-0.0937	91.37	3.646	-65.319	-0.0871525	-0.298175	-0.0065
721117135949		92.12	2.908	-66.687	-0.2108522	-0.214326	
72111714 019	-0.2643	92.88	2.169	-68.053	-0.2761763	-0.072862	0.0119
72111714 119	-0.2489	94.47	0.689	-70.778	-0.2482429	0.133742	-0.0087
72111714 3 4		97.42	-1.896	-75.533	0.1121726	0.250550	
72111714 449	0.4325	100.56	-4.460	-80.286	0.4226948	0.094853	0.0090
72111714 519		101.49	-5.185	-81.646	0.4470503	0.007491	
72111714 549	0.4167	102.43	-5.908	-83.008	0.4284620	-0.087298	-0.0118
72111714 649	0.2655	104.35	-7.340	-85.739	0.2649169	-0.264108	0.0006
72111714 719		105.32	-8.849	-87.109	0.1239028	-0.346131	
72111714 749	-0.0399	106.31	-8.753	-88.482	-0.0477665	-0.363149	0.0079
72111714 819		107.39	-9.451	-89.858	-0.2166820	-0.334389	
72111714 849	-0.3567	108.30	-10.143	-91.239	-0.3514239	-0.252500	-0.0053
72111714 949	-0.5325	110.33	-11.507	-94.014	-0.5300227	-0.147374	-0.0025
721117141019		111.35	-12.178	-95.409	-0.5919369	-0.124127	
721117141049	-0.6398	112.38	-12.841	-96.809	-0.6478123	-0.116322	0.0072
721117141119		113.41	-13.497	-98.215	-0.7018910	-0.119866	
721117141149	-0.7591	114.45	-14.143	-99.628	-0.7526988	-0.090964	-0.0064
721117141249	-0.7248	116.53	-15.410	-102.472	-0.7278900	-0.195516	0.0031
721117141319		117.58	-16.028	-103.904	-0.5811229	0.453057	
721117141349	-0.3151	118.63	-16.637	-105.343	-0.3143118	0.679554	-0.0008
721117141419		119.67	-17.235	-106.790	0.0258330	0.767605	
721117141449	0.3769	120.72	-17.822	-108.245	0.3767787	0.7480719	0.0001
721117141549	0.9373	122.81	-18.961	-111.178	0.9373439	0.412472	0.0000
721117141619		123.85	-19.513	-112.657	1.0617220	0.111156	
721117141649	1.0438	124.89	-20.052	-114.143	1.0437905	-0.165247	0.0000
721117141719		125.93	-20.577	-115.639	0.9309248	-0.300179	

721117141749 0.7782 126.95 -21.090 -117.143 0.7782004 -0.359800 0.0000
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ELON = -5.512928, 2*0.0000000E+00,

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DIFIT = 0.2000000

CONFAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
721118 1 419	1.6207	141.47	4.226	94.955	1.6206856	-0.409903	0.0000
721118 1 519	1.2192	139.47	5.616	92.346	1.2195886	-0.441793	-0.0004
721118 1 549		138.44	6.308	91.035	1.0198116	-0.419304	
721118 1 619	0.8358	137.41	6.998	89.719	0.8340456	-0.386239	0.0018
721118 1 719	0.4994	135.30	8.368	87.071	0.5031320	-0.333495	-0.0037
721118 1 749		134.23	9.048	85.737	0.3538668	-0.313816	
721118 1 819	0.2174	133.15	9.723	84.398	0.2131369	-0.295621	0.0043
721118 1 849		132.06	10.395	83.051	0.0811340	-0.275921	
721118 1 919	-0.0430	130.96	11.061	81.697	-0.0413954	-0.254639	-0.0016
721118 11019	-0.2579	128.74	12.378	78.965	-0.2550712	-0.207072	-0.0028
721118 11049		127.62	13.027	77.587	-0.3446754	-0.180786	
721118 11119	-0.4138	126.49	13.670	76.200	-0.4192299	-0.136478	0.0054
721118 11149		125.36	14.307	74.804	-0.4653974	-0.057771	
721118 11219	-0.4800	124.23	14.935	73.398	-0.4753078	0.003195	-0.0047
721118 11319	-0.4889	121.95	16.169	70.556	-0.4913094	-0.084426	0.0024
721118 11349		120.80	16.772	69.119	-0.5619097	-0.133036	
721118 11419	-0.7038	119.66	17.367	67.672	-0.7029951	-0.359014	-0.0008
721118 11449		118.52	17.952	66.213	-0.8757018	-0.369910	
721118 11519	-1.0323	117.37	18.527	64.743	-1.0325611	-0.302854	0.0003
721118 11619	-1.2064	115.09	19.643	61.768	-1.2063171	-0.046291	-0.0001
721118 11649		113.95	20.185	60.263	-1.1855088	0.143229	
721118 11719	-1.0752	112.81	20.714	58.745	-1.0752150	0.325336	0.0000
721118 11749		111.68	21.230	57.215	-0.8936500	0.451876	
721118 11819	-0.6671	110.56	21.733	55.673	-0.6669642	0.520001	-0.0001
721118 11919	-0.1895	108.33	22.697	52.551	-0.1898437	0.472635	0.0003
721118 11949		107.23	23.158	50.971	0.0040686	0.357126	
721118 12019	0.1403	106.13	23.603	49.378	0.1404966	0.245374	-0.0002
721118 12049		105.04	24.032	47.773	0.2412051	0.202313	
721118 12119	0.3314	103.97	24.446	46.155	0.3322425	0.191331	-0.0008
721118 12219	0.4963	101.84	25.221	42.883	0.4938579	0.155689	0.0024
721118 12249		100.80	25.582	41.229	0.5602240	0.131027	
721118 12319	0.6048	99.77	25.925	39.564	0.6085742	0.065617	-0.0038
721118 12349		98.76	26.250	37.887	0.6089618	-0.076766	
721118 12419	0.5385	97.76	26.555	36.199	0.5335169	-0.246326	0.0050
721118 12519	0.1675	95.80	27.107	32.793	0.1738027	-0.517771	-0.0063
721118 12549		94.85	27.352	31.075	-0.0896483	-0.619650	
721118 12619	-0.3755	93.91	27.576	29.348	-0.3819086	-0.614662	0.0064
721118 12649		93.00	27.780	27.612	-0.6277764	-0.418491	

721118 12719	-0.7588	92.10	27.962	25.869	-0.7549246	-0.135152	-0.0039
721118 12829	-0.5709	90.08	28.301	21.775	-0.5713279	0.460793	0.0004
721118 129 4		89.11	28.425	19.715	-0.2510544	0.724539	
721118 12939	0.1940	88.17	28.518	17.650	0.1923143	0.894395	0.0017
721118 130 9		87.40	28.574	15.875	0.6131837	0.908762	
721118 13039	1.0126	86.64	28.606	14.098	1.0148739	0.815563	-0.0023
721118 13139	1.5827	85.20	28.601	10.537	1.5806521	0.347266	0.0020
721118 132 9		84.52	28.564	8.755	1.6580056	-0.027804	
721118 13239	1.5572	83.86	28.504	6.974	1.5590869	-0.376059	-0.0019
721118 133 9		83.22	28.420	5.194	1.3335154	-0.576580	
721118 13339	1.0437	82.62	28.314	3.416	1.0417207	-0.679426	0.0020
721118 13439	0.3686	81.49	28.032	-0.131	0.3708035	-0.741975	-0.0022
721118 135 9		80.96	27.857	-1.899	0.0357375	-0.701692	
721118 13539	-0.2692	80.46	27.660	-3.661	-0.2717361	-0.626499	0.0025
721118 136 9		80.00	27.440	-5.418	-0.5393533	-0.529225	
721118 13639	-0.7607	79.56	27.198	-7.168	-0.7574607	-0.412871	-0.0032
721118 13739	-1.0099	78.76	26.651	-10.646	-1.0139886	-0.132079	0.0041
721118 138 9		78.41	26.345	-12.373	-1.0376240	0.032354	
721118 13839	-0.9876	78.09	26.019	-14.092	-0.9858366	0.185543	-0.0018
721118 139 9		77.80	25.672	-15.801	-0.8722449	0.300146	
721118 13939	-0.7187	77.54	25.306	-17.501	-0.7140664	0.379804	-0.0046
721118 14039	-0.3181	77.11	24.516	-20.870	-0.3236021	0.445038	0.0055
721118 14244		76.62	22.638	-27.749	0.3630327	0.178114	
721118 14449	0.3630	76.67	20.476	-34.432	0.3719513	-0.072766	-0.0090
721118 14519		76.76	19.919	-36.006	0.3429791	-0.047198	
721118 14549	0.3428	76.89	19.348	-37.569	0.3291764	-0.016385	0.0136
721118 14649	0.3112	77.23	18.168	-40.661	0.3180361	-0.022885	-0.0068
721118 14719		77.45	17.560	-42.191	0.2997279	-0.060206	
721118 14749	0.2630	77.70	16.941	-43.710	0.2645506	-0.083853	-0.0016
721118 14819		77.98	16.310	-45.219	0.2300038	-0.057449	
721118 14849	0.2237	78.29	15.669	-46.717	0.2151392	-0.007412	0.0086
721118 14949	0.2356	79.00	14.359	-49.684	0.2515061	0.084330	-0.0159
721118 15019		79.40	13.690	-51.153	0.3001773	0.126035	
721118 15049	0.3804	79.82	13.013	-52.614	0.3632023	0.137345	0.0172
721118 15119		80.28	12.328	-54.065	0.4180679	0.090646	
721118 15149	0.4388	80.77	11.636	-55.509	0.4438001	0.023777	-0.0050
721118 15249	0.4085	81.82	10.243	-58.372	0.4230227	-0.057011	-0.0145
721118 15319		82.40	9.522	-59.792	0.3928085	-0.070924	
721118 15349	0.3728	82.99	8.806	-61.206	0.3544266	-0.105038	0.0184
721118 15419		83.62	8.086	-62.614	0.2868794	-0.197231	
721118 15449	0.1727	84.26	7.361	-64.015	0.1713420	-0.295751	0.0014
721118 15549	-0.1549	85.63	5.901	-66.802	-0.1438218	-0.356632	-0.0111
721118 15754		88.81	2.826	-72.550	-0.5172713	0.099733	
721118 15959	0.1084	92.35	-0.266	-78.246	0.0853617	0.315209	0.0230
721118 2 029		93.26	-1.007	-79.609	0.2020223	0.177974	
721118 2 059	0.2139	94.18	-1.747	-80.972	0.2482561	0.031382	-0.0344
721118 2 159	0.2158	96.08	-3.220	-83.696	0.2005109	-0.098512	0.0153
721118 2 229		97.06	-3.953	-85.059	0.1567902	-0.081814	
721118 2 259	0.1267	98.04	-4.684	-86.422	0.1211844	-0.089694	0.0055
721118 2 329		99.05	-5.410	-87.787	0.0580291	-0.201159	
721118 2 359	-0.0818	100.07	-6.133	-89.154	-0.0653302	-0.317643	-0.0165
721118 2 459	-0.3410	102.15	-7.566	-91.894	-0.3654139	-0.269975	0.0244
721118 2 529		103.21	-8.275	-93.268	-0.4557619	-0.105822	
721118 2 559	-0.4884	104.27	-8.978	-94.646	-0.4686866	0.022198	-0.0197
721118 2 629		105.36	-9.676	-96.028	-0.4607827	-0.015593	
721118 2 659	-0.5034	106.44	-10.367	-97.413	-0.4880329	-0.085537	-0.0154
721118 2 759	-0.4662	108.65	-11.729	-100.198	-0.5225534	0.079085	0.0561
721118 2 829		109.76	-12.398	-101.598	-0.4354993	0.313651	
721118 2 859	-0.2771	110.88	-13.060	-103.003	-0.2328332	0.546963	-0.0443
721118 21034		114.47	-15.099	-107.493	0.7323791	0.599567	
721118 212 9	1.2650	118.08	-17.041	-112.049	1.2329284	0.062474	0.0321
721118 213 9	1.0737	120.37	-18.211	-114.965	1.1057496	-0.347009	-0.0320
721118 214 9	0.5846	122.65	-19.335	-117.912	0.5753579	-0.810885	0.0092

#INPUTS

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 129.5934 326.3586
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 REFEP = 6*0,
 DUTSEC = 0.0000000E+00,
 TRANSA = 0.0000000E+00,
 TRANSB = 0.0000000E+00,
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 ERAD = 363788.6
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 ELON = -5.259218 , 2*0.0000000E+00,
 ROTR = 8.9400001E-03,
 DIFIT = 0.2000000
 CONEAC = 1.083000
 \$END

EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	HZ	Km	Deg.	Deg.	HZ	mm/s**2	HZ	
721118 5 139	0.5436	145.93	1.291	98.332	0.5435717	0.097596	0.0000	
721118 5 239	0.5361	144.02	2.688	95.751	0.5368655	-0.088661	-0.0008	
721118 5 3 9		143.04	3.386	94.456	0.4852697	-0.129002		
721118 5 339	0.4245	142.05	4.082	93.159	0.4210540	-0.147869	0.0034	
721118 5 439	0.2684	140.01	5.471	90.552	0.2754660	-0.162297	-0.0071	
721118 5 5 9		139.97	6.163	89.242	0.2012655	-0.157861		
721118 5 539	0.1329	137.92	6.852	87.928	0.1309378	-0.145407	0.0020	
721118 5 6 9		136.86	7.538	86.608	0.0682741	-0.124691		
721118 5 639	0.0292	135.78	8.222	85.282	0.0162104	-0.101333	0.0130	
721118 5 739	-0.0720	133.59	9.577	82.612	-0.0590061	-0.063576	-0.0130	
721118 51014		127.77	12.990	75.580	-0.1444054	-0.021309		
721118 51249	-0.3160	121.78	16.231	68.312	-0.3357890	-0.199289	0.0198	
721118 51319		120.61	16.833	66.874	-0.4448568	-0.275416		
721118 51349	-0.6128	119.44	17.426	65.415	-0.5844290	-0.314725	-0.0284	
721118 51449	-0.8119	117.10	18.582	62.494	-0.8174608	-0.131927	0.0056	
721118 51519		115.93	19.144	61.010	-0.8304462	0.090203		
721118 51549	-0.7192	114.77	19.695	59.515	-0.7338811	0.314276	0.0147	
721118 51619		113.60	20.234	58.008	-0.5530517	0.455159		
721118 51649	-0.3370	112.44	20.761	56.489	-0.3244255	0.525754	-0.0126	
721118 51749	0.1649	110.14	21.776	53.413	0.1644550	0.494935	0.0004	
721118 51819		108.99	22.263	51.856	0.3717622	0.393507		
721118 51849	0.5328	107.85	22.736	50.287	0.5254556	0.276788	0.0073	
721118 51919		106.72	23.194	48.705	0.6314460	0.186791		
721118 51949	0.6945	105.60	23.637	47.110	0.7018071	0.121963	-0.0073	
721118 52049	0.7839	103.39	24.475	43.883	0.7799679	0.063057	0.0039	
721118 52119		102.30	24.869	42.251	0.8095427	0.068985		
721118 52149	0.8361	101.22	25.245	40.607	0.8378971	0.037429	-0.0018	
721118 52219		100.15	25.604	38.952	0.8289306	-0.092699		
721118 52249	0.7482	99.10	25.944	37.284	0.7464407	-0.260957	0.0018	
721118 52359	0.2870	96.69	26.665	33.350	0.2896161	-0.566968	-0.0026	
721118 52434		95.52	26.986	31.361	-0.0461144	-0.674507		
721118 525 9	-0.4108	94.38	27.279	29.360	-0.4135727	-0.651618	0.0028	
721118 52539		93.41	27.507	27.634	-0.6740304	-0.448526		
721118 526 9	-0.8155	92.46	27.715	25.899	-0.8155610	-0.166462	0.0001	
721118 527 9	-0.7263	90.63	28.065	22.407	-0.7212093	0.363169	-0.0051	
721118 52739		89.74	28.208	20.650	-0.4359638	0.610739		
721118 528 9	-0.1589	88.88	28.328	18.887	-0.1663558	0.799255	0.0075	
721118 52839		88.03	28.425	17.119	0.2256134	0.881084		
721118 529 9	0.6265	87.21	28.500	15.347	0.6307900	0.856258	-0.0043	
721118 530 9	1.2819	85.63	28.581	11.792	1.2836144	0.486662	-0.0017	
721118 53039		84.88	28.587	10.011	1.4328092	0.141918		
721118 531 9	1.4184	84.15	28.570	8.228	1.4134473	-0.210587	0.0050	
721118 53139		83.45	28.530	6.445	1.2524137	-0.471854		

721118 532 9	0.9876	82.78	28.466	4.663	0.9904463	-0.650602	-0.0028
721118 533 9	0.3024	81.50	28.269	1.103	0.3042726	-0.786387	-0.0019
721118 53339		80.91	28.137	-0.673	-0.0516942	-0.743441	
721118 534 9	-0.3712	80.34	27.981	-2.446	-0.3760529	-0.660621	0.0049
721118 53439		79.80	27.803	-4.214	-0.6607907	-0.571964	
721118 535 9	-0.9065	79.29	27.602	-5.977	-0.9017187	-0.467321	-0.0049
721118 536 9	-1.2051	78.35	27.134	-9.485	-1.2084842	-0.179730	0.0034
721118 53639		77.93	26.867	-11.229	-1.2502335	0.003211	
721118 537 9	-1.2090	77.54	26.579	-12.965	-1.2068532	0.177438	-0.0021
721118 53739		77.17	26.271	-14.693	-1.0931077	0.308076	
721118 538 9	-0.9277	76.84	25.941	-16.411	-0.9286757	0.397828	0.0010
721118 53954		75.92	24.632	-22.352	-0.2122287	0.410899	
721118 54139	0.2698	75.40	23.095	-28.164	0.2708445	0.185581	-0.0010
721118 542 9		75.32	22.617	-29.799	0.3413265	0.119650	
721118 54239	0.3844	75.27	22.122	-31.423	0.3821419	0.059046	0.0023
721118 54339	0.3900	75.28	21.086	-34.637	0.3929478	-0.028065	-0.0029
721118 544 9		75.32	20.545	-36.227	0.3734356	-0.054574	
721118 54439	0.3476	75.41	19.990	-37.805	0.3453092	-0.063191	0.0023
721118 545 9		75.52	19.421	-39.372	0.3189463	-0.047383	
721118 54539	0.3035	75.67	18.839	-40.927	0.3023110	-0.026683	0.0012
721118 54639	0.2746	76.06	17.638	-44.005	0.2810122	-0.029211	-0.0064
721118 547 9		76.30	17.020	-45.528	0.2627293	-0.052435	
721118 54739	0.2448	76.57	16.391	-47.041	0.2353769	-0.057581	0.0094
721118 548 9		76.87	15.752	-48.543	0.2173776	-0.011932	
721118 54839	0.2171	77.21	15.102	-50.035	0.2254827	0.341000	-0.0084
721118 54939	0.2785	77.97	13.775	-52.990	0.2731730	0.038138	0.0053
721118 550 9		78.39	13.099	-54.454	0.2792965	-0.017648	
721118 55039	0.2566	78.85	12.415	-55.909	0.2571206	-0.071838	-0.0005
721118 551 9		79.34	11.724	-57.356	0.2190355	-0.086584	
721118 55139	0.1687	79.85	11.026	-58.795	0.1786165	-0.091944	-0.0099
721118 55239	0.0857	80.97	9.611	-61.650	0.0665161	-0.164638	0.0192
721118 553 9		81.56	8.896	-63.067	-0.0242367	-0.231969	
721118 55339	-0.1586	82.19	8.176	-64.477	-0.1463409	-0.290612	-0.0123
721118 55554		85.33	4.888	-70.755	-0.6685213	-0.083680	
721118 558 9	-0.4267	88.96	1.555	-76.948	-0.4335675	0.210554	0.0069
721118 559 9	-0.2625	90.72	0.070	-79.684	-0.2580182	0.150071	-0.0045
721118 55939		91.63	-0.672	-81.050	-0.2047736	0.075700	
721118 6 0 9	-0.1924	92.56	-1.412	-82.414	-0.1869898	0.008690	-0.0054
721118 6 039		93.51	-2.151	-83.778	-0.1899502	-0.014157	
721118 6 1 9	-0.1898	94.48	-2.888	-85.142	-0.1978309	-0.022506	0.0080
721118 6 2 9	-0.2476	96.46	-4.355	-87.872	-0.2426433	-0.084659	-0.0052
721118 6 239		97.47	-5.083	-89.238	-0.2935624	-0.138461	
721118 6 3 9	-0.3622	98.51	-5.808	-90.605	-0.3644566	-0.153030	0.0023
721118 6 339		99.55	-6.529	-91.975	-0.4204590	-0.073986	
721118 6 4 9	-0.4259	100.62	-7.245	-93.347	-0.4272464	0.040939	0.0013
721118 6 5 9	-0.3127	102.77	-8.662	-96.100	-0.3068958	0.205159	-0.0058
721118 6 539		103.86	-9.363	-97.481	-0.1999623	0.254460	
721118 6 6 9	-0.0624	104.98	-10.057	-98.867	-0.0705435	0.312807	0.0081
721118 6 639		106.09	-10.744	-100.256	0.0950147	0.411092	
721118 6 7 9	0.3062	107.22	-11.425	-101.650	0.3126912	0.533057	-0.0065
721118 6 8 9	0.9284	109.49	-12.763	-104.454	0.9254673	0.799142	0.0029
721118 6 9 9	1.7970	111.79	-14.069	-117.280	1.7975816	1.094784	-0.0006

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 DIFIT = 0.2000000
 CONFAC = 1.083000

SEND

EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz	
721118 9 050	1.9431	147.83	0.991	96.917	1.9431136	-0.486070	0.0000	
721118 9 150	1.4697	145.89	2.384	94.342	1.4693335	-0.535540	0.0004	
721118 9 220		144.88	3.081	93.050	1.2184670	-0.549932		
721118 9 250	0.9622	143.87	3.776	91.755	0.9638520	-0.549357	-0.0017	
721118 9 350	0.4854	141.78	5.163	89.155	0.4819402	-0.479107	0.0035	
721118 9 420		140.72	5.854	87.848	0.2759208	-0.409420		
721118 9 450	0.0995	139.64	6.543	86.537	0.1021995	-0.350732	-0.0027	
721118 9 520		138.55	7.229	85.221	-0.0548544	-0.337046		
721118 9 550	-0.2153	137.44	7.912	83.899	-0.2109543	-0.335959	-0.0043	
721118 9 650	-0.4843	135.19	9.268	81.237	-0.4988079	-0.274317	0.0145	
721118 9 720		134.05	9.940	79.896	-0.6122504	-0.213752		
721118 9 750	-0.7023	132.90	10.607	78.548	-0.6971582	-0.159525	-0.0051	
721118 9 820		131.74	11.270	77.193	-0.7645430	-0.137765		
721118 9 850	-0.8530	130.57	11.927	75.829	-0.8268619	-0.132226	-0.0261	
721118 9 950	-0.9176	128.22	13.224	73.077	-0.9437894	-0.121009	0.0262	
721118 91235		121.62	15.643	65.315	-1.2109936	-0.089215		
721118 91520	-1.0795	114.98	19.788	57.226	-1.0386740	0.365780	-0.0408	
721118 91550		113.77	20.323	55.717	-0.8307898	0.539321		
721118 91620	-0.4870	112.57	20.847	54.195	-0.5478413	0.666448	0.0608	
721118 91720	0.0392	110.19	21.855	51.115	0.0548999	0.558617	-0.0157	
721118 91750		109.01	22.339	49.556	0.2632219	0.323601		
721118 91820	0.3326	107.83	22.808	47.984	0.3588450	0.121890	-0.0262	
721118 91850		106.67	23.262	46.400	0.4045755	0.107406		
721118 91920	0.4934	105.51	23.701	44.803	0.4686985	0.162336	0.0247	
721118 92020	0.6131	103.22	24.531	41.571	0.6171367	0.126885	-0.0040	
721118 92050		102.09	24.921	39.937	0.6567169	0.036480		
721118 92120	0.6350	100.97	25.294	38.291	0.6440880	-0.097730	-0.0091	
721118 92150		99.87	25.648	36.632	0.5604243	-0.271195		
721118 92220	0.4031	98.78	25.984	34.962	0.3948256	-0.437285	0.0083	
721118 92320	-0.1057	96.65	26.600	31.589	-0.1042659	-0.607814	-0.0014	
721118 92350		95.61	26.879	29.887	-0.3880095	-0.612228		
721118 92420	-0.6553	94.58	27.137	28.174	-0.6532798	-0.510750	-0.0020	
721118 92450		93.57	27.375	26.452	-0.8352938	-0.251311		
721118 92520	-0.8774	92.58	27.592	24.721	-0.8765636	0.065252	-0.0008	
721118 92630	-0.4720	90.34	28.015	20.651	-0.4782957	0.634626	0.0063	
721118 927 5		89.27	28.182	18.601	-0.0810566	0.830395		
721118 92740	0.3849	88.22	28.319	16.543	0.3940698	0.902567	-0.0092	
721118 92810		87.35	28.411	14.773	0.7958851	0.814873		
721118 92840	1.1356	86.50	28.481	12.999	1.1312983	0.628381	0.0043	
721118 92940	1.4811	84.87	28.553	9.442	1.4750817	0.076509	0.0060	
721118 93010		84.10	28.553	7.659	1.4283421	-0.288899		
721118 93040	1.2056	83.35	28.531	5.876	1.2167946	-0.599442	-0.0112	
721118 93112		82.56	28.481	3.944	0.8722982	-0.744967		
721118 93145	0.4992	81.81	28.403	2.012	0.4913225	-0.772279	0.0079	
721118 93250	-0.2655	80.40	28.167	-1.845	-0.2643668	-0.713450	-0.0011	
721118 93320		79.80	28.022	-3.620	-0.5769824	-0.635263		
721118 93350	-0.8489	79.22	27.853	-5.392	-0.8460001	-0.524905	-0.0029	
721118 93420		78.67	27.663	-7.159	-1.0566957	-0.382355		
721118 93450	-1.1948	78.16	27.449	-8.920	-1.1960483	-0.220212	0.0012	
721118 93550	-1.2388	77.21	26.957	-12.424	-1.2420083	0.125392	0.0032	
721118 93620		76.79	26.679	-14.164	-1.1420268	0.308858		
721118 93650	-0.9667	76.39	26.379	-15.897	-0.9620361	0.458522	-0.0047	
721118 93720		76.03	26.059	-17.622	-0.7301168	0.533589		
721118 93750	-0.4790	75.70	25.718	-19.337	-0.4784379	0.549175	-0.0005	

721118 93850	0.0045	75.13	24.977	-22.739	-0.0047463	0.447432	0.0092
721118 93920		74.90	24.577	-24.425	0.1764622	0.330081	
721118 93950	0.2865	74.70	24.159	-26.100	0.2996965	0.210451	-0.0132
721118 94020		74.53	23.723	-27.764	0.3768831	0.130500	
721118 94050	0.4319	74.40	23.269	-29.418	0.4241364	0.076130	0.0078
721118 94230		74.19	21.635	-34.848	0.4490302	-0.022622	
721118 94410	0.4062	74.35	19.829	-40.151	0.4114963	-0.010296	-0.0053
721118 94440		74.47	19.257	-41.717	0.4115529	0.011969	
721118 94510	0.4247	74.62	18.672	-43.272	0.4221643	0.051752	0.0025
721118 94610	0.4651	75.03	17.465	-46.349	0.4551826	0.030749	0.0099
721118 94640		75.28	16.844	-47.871	0.4651011	0.009958	
721118 94710	0.4481	75.56	16.212	-49.383	0.4645815	-0.009518	-0.0165
721118 94740		75.88	15.569	-50.884	0.4587966	-0.012847	
721118 94810	0.4606	76.23	14.917	-52.376	0.4534563	-0.011386	0.0071
721118 94910	0.4476	77.02	13.586	-55.331	0.4372117	-0.028182	0.0104
721118 94940		77.46	12.907	-56.794	0.4202359	-0.046443	
721118 95010	0.3754	77.93	12.221	-58.250	0.3945512	-0.063261	-0.0192
721118 95040		78.44	11.528	-59.696	0.3632760	-0.070630	
721118 95110	0.3385	78.97	10.828	-61.135	0.3280627	-0.086264	0.0104
721118 95210	0.2130	80.13	9.410	-63.990	0.2059738	-0.195509	0.0070
721118 95240		80.75	8.694	-65.407	0.0950853	-0.289134	
721118 95310	-0.0691	81.40	7.972	-66.818	-0.0529276	-0.330338	-0.0162
721118 95340		82.08	7.246	-68.223	-0.1898011	-0.240717	
721118 95410	-0.2583	82.78	6.517	-69.622	-0.2673975	-0.100354	0.0091
721118 95510	-0.2587	84.27	5.048	-72.406	-0.2620035	0.092503	0.0033
721118 95540		85.05	4.311	-73.790	-0.2060473	0.144984	
721118 95610	-0.1368	85.85	3.571	-75.172	-0.1318535	0.173293	-0.0049
721118 95825		89.78	0.232	-81.350	0.1826755	0.065279	
72111810 040	0.0732	94.13	-3.095	-87.498	0.0702972	-0.142527	0.0029
72111810 140	-0.0795	96.18	-4.559	-90.231	-0.0792602	-0.175303	-0.0002
72111810 210		97.24	-5.286	-91.599	-0.1611655	-0.177939	
72111810 240	-0.2448	98.30	-6.010	-92.968	-0.2392188	-0.152347	-0.0056
72111810 310		99.39	-6.729	-94.340	-0.2945524	-0.079443	
72111810 340	-0.3048	100.48	-7.444	-95.714	-0.3103556	0.007915	0.0056
72111810 440	-0.2437	102.71	-8.857	-98.471	-0.2421549	0.127566	-0.0015
72111810 510		103.85	-9.555	-99.854	-0.1750931	0.159849	
72111810 540	-0.0914	104.99	-10.247	-101.242	-0.0902777	0.219952	-0.0011
72111810 610		106.15	-10.932	-102.633	0.0394063	0.354113	
72111810 640	0.2384	107.31	-11.610	-104.030	0.2370156	0.490423	0.0014
72111810 740	0.7400	109.66	-12.943	-106.838	0.7406620	0.554016	-0.0007
72111810 810		110.85	-13.597	-108.250	0.9823579	0.481265	
72111810 840	1.1712	112.04	-14.242	-109.668	1.1710514	0.317538	0.0001
72111810 910		113.24	-14.878	-111.093	1.2582490	0.041431	
72111810 940	1.2055	114.44	-15.505	-112.524	1.2055067	-0.259521	0.0000
721118101040	0.7553	116.85	-16.727	-115.406	0.7552997	-0.673948	0.0000

#INPUTS

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 EPOCH = 721201510, 119447,
 JEPOCH = 72, 12, 1, 10, 1,
 STATE = 1857.885, 1.7415650E-02, 2.642961, 2.275970
 3.260676, 5.175067
 ICCORD = 1,
 TSTATE = 1686.203, 105.3459, 736.3770, 0.2618134
 -1.555333, -0.4403833
 LONEP = 999.0000
 DUTSEC = 0.0000000E+00,
 TRANSA = 0.0000000E+00,
 TRANSB = 0.0000000E+00,
 GM = 4902.780
 ERAD = 402740.8
 ELAT = 3.705916, 2*0.0000000E+00,
 ELON = 4.884277, 2*0.0000000E+00,
 ROTR = 8.9400001E-03,
 DIFIT = 0.2000000

CONFAC = 1.083000

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#END
EPOCH DATE RESIDUAL ALTITUDE LATITUDE LONGITUDE FIT DATA FIT ACCEL RES/FIT
YYMMDDHHMMSS Hz Km Deg. Deg. Hz mm/s**2 Hz
7212 1 93340 0.6995 146.52 18.226 93.442 0.6994469 -0.028626 0.0001
7212 1 93440 0.6480 145.54 19.318 90.569 0.6494346 -0.078120 -0.0014
7212 1 93510 145.02 19.847 89.118 0.6083797 -0.099313
7212 1 93540 0.5637 144.48 20.365 87.656 0.5573077 -0.123279 0.0064
7212 1 93640 0.4013 143.36 21.365 84.701 0.4128053 -0.194999 -0.0115
7212 1 93710 142.78 21.846 83.207 0.3120462 -0.242758
7212 1 93740 0.1993 142.18 22.314 81.702 0.1911271 -0.274457 0.0082
7212 1 93910 140.29 23.634 77.123 -0.1301311 -0.129367
7212 1 94040 -0.1476 138.27 24.821 72.445 -0.1436024 0.0669 1 -0.0040
7212 1 94140 -0.0786 136.86 25.532 69.274 -0.0785863 0.054 1 67 0.0001
7212 1 94210 136.14 25.862 67.673 -0.0637399 0.005396
7212 1 94240 -0.0682 135.41 26.175 66.061 -0.0740132 -0.045814 0.0058
7212 1 94310 134.66 26.470 64.441 -0.1022690 -0.072482
7212 1 94340 -0.1419 133.91 26.747 62.811 -0.1380800 -0.080571 -0.0038
7212 1 94440 -0.2093 132.37 27.246 59.524 -0.2063798 -0.058970 -0.0029
7212 1 94510 131.59 27.467 57.868 -0.2272370 -0.029273
7212 1 94540 -0.2267 130.80 27.669 56.204 -0.2330279 0.002918 0.0063
7212 1 94610 130.00 27.850 54.533 -0.2257084 0.027520
7212 1 94640 -0.2115 129.20 28.012 52.855 -0.2085409 0.046128 -0.0030
7212 1 94740 -0.1573 127.57 28.275 49.482 -0.1534894 0.070191 -0.0038
7212 1 94810 126.74 28.376 47.788 -0.1196519 0.075644
7212 1 94840 -0.0763 125.91 28.456 46.089 -0.0838530 0.079731 0.0076
7212 1 94910 125.08 28.515 44.386 -0.0457762 0.085473
7212 1 94940 -0.0124 124.24 28.552 42.681 -0.0068994 0.078422 -0.0055
7212 1 95040 0.0303 122.56 28.564 39.263 0.0296503 -0.017419 0.0006
7212 1 95110 121.72 28.538 37.552 0.0021542 -0.106222
7212 1 95140 -0.0704 120.87 28.490 35.841 -0.0729224 -0.224263 0.0025
7212 1 95210 120.02 28.421 34.130 -0.2097502 -0.373618
7212 1 95240 -0.4165 119.17 28.331 32.420 -0.4136578 -0.495437 -0.0028
7212 1 95340 -0.8887 117.47 28.087 29.006 -0.8906577 -0.480210 0.0020
7212 1 95410 116.63 27.933 27.303 -1.0840604 -0.343121
7212 1 95440 -1.1966 115.78 27.759 25.604 -1.1961784 -0.132492 -0.0004
7212 1 95510 114.94 27.563 23.909 -1.1970052 0.139057
7212 1 95540 -1.0699 114.10 27.347 22.219 -1.0667645 0.417338 -0.0031
7212 1 95640 -0.4673 112.43 26.854 18.855 -0.4753505 0.832148 0.0081
7212 1 95710 111.61 26.578 17.182 -0.0577822 0.968655
7212 1 95740 0.3964 110.78 26.282 15.517 0.4058861 1.019556 -0.0095
7212 1 95810 109.97 25.966 13.858 0.8645669 0.946552
7212 1 95840 1.2704 109.16 25.632 12.207 1.2670678 0.790136 0.0033
7212 1 95940 1.8129 107.56 24.908 8.930 1.8059167 0.348366 0.0070
7212 110 010 106.78 24.518 7.304 1.9025397 0.062991
7212 110 040 1.8562 106.00 24.111 5.687 1.8684667 -0.194021 -0.0123
7212 110 110 105.23 23.687 4.079 1.7386899 -0.351503
7212 110 140 1.5606 104.48 23.246 2.480 1.5529170 -0.450467 0.0077
7212 110 240 1.0661 102.99 22.316 -0.689 1.0643101 -0.596266 0.0018
7212 110 310 102.27 21.828 -2.259 0.7775123 -0.643092
7212 110 340 0.4692 101.56 21.324 -3.819 0.4760028 -0.654201 -0.0068
7212 110 410 100.86 20.806 -5.370 0.1817663 -0.611266
7212 110 440 -0.0807 100.17 20.273 -6.912 -0.0837837 -0.538194 0.0031
7212 110 540 -0.5016 98.84 19.168 -9.966 -0.5065126 -0.373266 0.0049
7212 110 610 98.19 18.595 -11.479 -0.6578967 -0.281407
7212 110 640 -0.7732 97.56 18.011 -12.983 -0.7640136 -0.174301 -0.0092
7212 110 710 96.95 17.414 -14.478 -0.8150884 -0.042879
7212 110 740 -0.7995 96.35 16.807 -15.964 -0.8056872 0.075087 0.0062
7212 110 840 -0.6821 95.20 15.559 -18.911 -0.6825132 0.157609 0.0004
7212 110 910 94.66 14.919 -20.372 -0.6159594 0.122140
7212 110 940 -0.5753 94.13 14.270 -21.825 -0.5701047 0.084238 -0.0052
7212 1101010 93.62 13.613 -23.271 -0.5310579 0.092607
7212 1101040 -0.4749 93.12 12.946 -24.709 -0.4822480 0.116240 0.0073
7212 1101140 -0.3777 92.19 11.589 -27.565 -0.3700544 0.116274 -0.0076
7212 1101210 91.76 10.900 -28.984 -0.3212105 0.092667
7212 1101240 -0.2803 91.34 10.203 -30.396 -0.2847360 0.067443 0.0044
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7212 1101410 90.22 8.078 -34.602 -0.2047635 0.066791
7212 1101540 -0.0822 89.28 5.908 -38.769 -0.0805631 0.107639 -0.0016
7212 1101710 88.54 3.706 -42.906 0.0797712 0.118950
7212 1101840 0.2015 87.99 1.483 -47.026 0.1969029 0.017547 0.0046
7212 1101910 87.86 0.740 -48.398 0.1879864 -0.059798
7212 1101940 0.1362 87.75 -0.005 -49.769 0.1446283 -0.118075 -0.0084
7212 1102040 0.0553 37.59 -1.492 -52.512 0.0462882 -0.055010 0.0090
7212 1102110 87.55 -2.235 -53.884 0.0466042 0.066361
7212 1102140 0.0947 87.53 -2.977 -55.259 0.1011224 0.145939 -0.0064
7212 1102210 87.53 -3.717 -56.635 0.1592852 0.082078
7212 1102240 0.1675 87.56 -4.455 -58.013 0.1695570 -0.029619 -0.0021
7212 1102340 0.1048 87.68 -5.922 -60.779 0.0904938 -0.109799 0.0143
7212 1102410 87.77 -6.651 -62.166 0.0452395 -0.078259
7212 1102440 0.0033 87.89 -7.376 -63.558 0.0235353 -0.012238 -0.0202
7212 1102510 88.03 -8.096 -64.954 0.0372156 0.075033
7212 1102540 0.1052 88.19 -8.812 -66.355 0.0915766 0.154231 0.0136
7212 1102640 0.2665 88.59 -10.227 -69.172 0.2670980 0.201068 -0.0006
7212 1102710 88.82 -10.925 -70.589 0.3538736 0.168589
7212 1102740 0.4156 89.07 -11.617 -72.013 0.4236881 0.142078 -0.0081
7212 1102810 89.35 -12.301 -73.443 0.4926312 0.164745
7212 1102840 0.5828 89.64 -12.978 -74.880 0.5731083 0.169888 0.0097
7212 1102940 0.6355 90.30 -14.307 -77.776 0.6439905 -0.072513 -0.0085
7212 1103010 90.66 -14.958 -79.236 0.5565906 -0.320099
7212 1103040 0.3590 91.04 -15.599 -80.704 0.3524386 -0.541722 0.0066
7212 1103110 91.44 -16.231 -82.180 0.0773095 -0.627307
7212 1103140 -0.2112 91.86 -16.852 -83.666 -0.2087666 -0.595771 -0.0024
7212 1103240 -0.6273 92.76 -18.060 -86.664 -0.6240238 -0.238241 -0.0033
7212 1103310 93.24 -18.647 -88.176 -0.6625333 0.087801
7212 1103340 -0.5511 93.73 -19.221 -89.699 -0.5576327 0.318607 0.0065
7212 1103410 94.25 -19.783 -91.231 -0.4127381 0.260899
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7212 1103540 -0.4144 95.91 -21.385 -95.886 -0.4163707 -0.226700 0.0020
7212 1103610 96.49 -21.890 -97.457 -0.5474440 -0.336656
7212 1103640 -0.7099 97.09 -22.379 -99.039 -0.7102343 -0.336238 0.0003
7212 1103710 97.71 -22.853 -100.630 -0.8279784 -0.141352
7212 1103740 -0.8296 98.34 -23.311 -102.232 -0.8286037 0.132610 -0.0010
7212 1103840 -0.4911 99.65 -24.177 -105.464 -0.4921617 0.571986 0.0011
7212 1103910 100.33 -24.584 -107.093 -0.1884765 0.737382
7212 1103940 0.1683 101.02 -24.973 -108.733 0.1693116 0.776801 -0.0010
7212 1104010 101.73 -25.344 -110.380 0.4955862 0.600486
7212 1104040 0.7121 102.44 -25.696 -112.037 0.7113624 0.343379 0.0007
7212 1104140 0.8489 103.91 -26.343 -115.375 0.8492316 -0.008712 -0.0003
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3.225552, 5.019462,
ICCOORD = 1,
TSTATE = 1651.260, 105.4822, 819.7839, 0.2234809,
-1.588655, -0.3121772,
LONEP = 999.0000
DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780,
ERAD = 402725.8,
ELAT = 3.706318, 2*0.0000000E+00,
ELON = 4.891022, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DIFIT = 0.2000000,
CONFAC = 1.083000
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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
7212 1 92540	0.3841	152.19	13.208	93.696	0.3841072	-0.069251	0.0000
7212 1 92640	0.3322	151.40	14.454	90.984	0.3320042	-0.054230	0.0002
7212 1 92710		150.98	15.065	89.617	0.3037912	-0.070631	
7212 1 92740	0.2651	150.53	15.669	88.240	0.2659839	-0.092258	-0.0009
7212 1 92840	0.1686	149.58	16.851	85.462	0.1667267	-0.119081	0.0019
7212 1 92910		149.07	17.429	84.058	0.1103330	-0.124274	
7212 1 92940	0.0499	148.55	17.997	82.646	0.0518791	-0.130106	-0.0020
7212 1 93010		148.00	18.555	81.223	-0.0108429	-0.142700	
7212 1 93040	-0.0784	147.44	19.103	79.790	-0.0784539	-0.146005	0.0001
7212 1 93140	-0.1860	146.26	20.166	76.894	-0.1890260	-0.076602	0.0030
7212 1 93210		145.64	20.681	75.430	-0.2085823	-0.003882	
7212 1 93240	-0.1985	145.00	21.183	73.955	-0.1939458	0.060197	-0.0046
7212 1 93310		144.35	21.673	72.469	-0.1595493	0.081689	
7212 1 93340	-0.1205	143.68	22.150	70.972	-0.1235100	0.070740	0.0030
7212 1 93440	-0.0922	142.29	23.063	67.945	-0.0923038	-0.018001	0.0001
7212 1 93510		141.57	23.499	66.415	-0.1177200	-0.095803	
7212 1 93540	-0.1792	140.84	23.920	64.874	-0.1767823	-0.147766	-0.0024
7212 1 93610		140.09	24.326	63.321	-0.2427843	-0.125793	
7212 1 93640	-0.2839	139.33	24.716	61.758	-0.2875822	-0.069015	0.0037
7212 1 93740	-0.3082	137.77	25.449	58.599	-0.3035250	0.031604	-0.0047
7212 1 93810		136.97	25.791	57.003	-0.2786452	0.075442	
7212 1 93840	-0.2306	136.16	26.115	55.397	-0.2352395	0.110367	0.0046
7212 1 93910		135.34	26.422	53.781	-0.1788094	0.131809	
7212 1 93940	-0.1173	134.51	26.711	52.155	-0.1150617	0.143318	-0.0022
7212 1 94040	0.0195	132.81	27.233	48.876	0.0210409	0.147234	-0.0015
7212 1 94110		131.95	27.466	47.223	0.0875158	0.139638	
7212 1 94140	0.1539	131.08	27.680	45.562	0.1502749	0.133971	0.0036
7212 1 94210		130.20	27.874	43.893	0.2127930	0.138529	
7212 1 94240	0.2739	129.31	28.048	42.217	0.2764142	0.131568	-0.0025
7212 1 94340	0.3555	127.52	28.336	38.845	0.3556360	0.017848	-0.0001
7212 1 94410		126.61	28.449	37.150	0.3405059	-0.088929	
7212 1 94440	0.2730	125.70	28.541	35.450	0.2711358	-0.211272	0.0019
7212 1 94510		124.79	28.612	33.747	0.1457328	-0.331561	
7212 1 94540	-0.0314	123.87	28.662	32.039	-0.0293801	-0.415292	-0.0020
7212 1 94640	-0.4122	122.02	28.698	28.616	-0.4137001	-0.369819	0.0015
7212 1 94710		121.10	28.684	26.902	-0.5573538	-0.240579	
7212 1 94740	-0.6275	120.17	28.648	25.187	-0.6270597	-0.054199	-0.0004
7212 1 94810		119.24	28.591	23.471	-0.6007016	0.175597	
7212 1 94840	-0.4673	118.31	28.512	21.756	-0.4650605	0.404599	-0.0022
7212 1 94940	0.0777	116.46	28.290	18.331	0.0716934	0.728109	0.0060
7212 1 95010		115.53	28.147	16.622	0.4314286	0.822596	
7212 1 95040	0.8095	114.61	27.982	14.916	0.8171508	0.825518	-0.0077
7212 1 95110		113.69	27.797	13.213	1.1723936	0.690156	
7212 1 95140	1.4482	112.78	27.591	11.516	1.4434052	0.483168	0.0048
7212 1 953 0		110.36	26.940	7.014	1.6869166	-0.093601	
7212 1 95420	1.2724	107.99	26.147	2.558	1.2763730	-0.515967	-0.0040
7212 1 95450		107.11	25.814	0.901	1.0201905	-0.585583	
7212 1 95520	0.7461	106.25	25.462	-0.749	0.7418437	-0.615075	0.0043
7212 1 95620	0.1805	104.54	24.703	-4.022	0.1808553	-0.578871	-0.0004
7212 1 95650		103.70	24.296	-5.646	-0.0724817	-0.513161	
7212 1 95720	-0.2928	102.88	23.872	-7.261	-0.2906633	-0.432376	-0.0021
7212 1 95750		102.06	23.431	-8.866	-0.4719507	-0.353124	
7212 1 95820	-0.6156	101.26	22.973	-10.462	-0.6158110	-0.267899	0.0002
7212 1 95920	-0.7660	99.69	22.010	-13.625	-0.7698917	-0.056813	0.0039
7212 1 95950		98.92	21.505	-15.192	-0.7675864	0.069055	
7212 110 020	-0.7164	98.17	20.985	-16.749	-0.7105048	0.166546	-0.0059
7212 110 050		97.44	20.451	-18.296	-0.6246078	0.193803	
7212 110 120	-0.5331	96.72	19.903	-19.834	-0.5367554	0.187267	0.0037
7212 110 220	-0.3663	95.33	18.766	-22.882	-0.3669901	0.182231	0.0007
7212 110 250		94.66	18.179	-24.392	-0.2826035	0.183733	
7212 110 320	-0.2006	94.01	17.580	-25.892	-0.1973537	0.185134	-0.0032
7212 110 355		93.27	16.866	-27.632	-0.0979835	0.183124	
7212 110 430	0.0015	92.56	16.137	-29.359	-0.0022696	0.168912	0.0038
7212 110 540	0.1342	91.22	14.637	-32.781	0.1386332	0.079021	-0.0044

7212 110 610		90.68	13.979	-34.234	0.1610115	0.015401	
7212 110 640	0.1572	90.16	13.311	-35.679	0.1529698	-0.047498	0.0042
7212 110 710		89.65	12.635	-37.118	0.1196821	-0.093942	
7212 110 740	0.0674	89.17	11.951	-38.549	0.0684663	-0.125859	-0.0011
7212 110 840	-0.0674	88.28	10.560	-41.393	-0.0636845	-0.152002	-0.0037
7212 110 910		87.86	9.855	-42.806	-0.1330189	-0.146223	
7212 110 940	-0.1890	87.47	9.143	-44.214	-0.1945279	-0.113319	0.0055
7212 1101010		87.10	8.426	-45.617	-0.2312307	-0.038707	
7212 1101040	-0.2312	86.76	7.704	-47.015	-0.2301376	0.036797	-0.0011
7212 1101140	-0.1761	86.14	6.245	-49.798	-0.1693991	0.068172	-0.0067
7212 1101210		85.87	5.510	-51.185	-0.1465788	0.024024	
7212 1101240	-0.1346	85.62	4.771	-52.568	-0.1441648	-0.000320	0.0096
7212 1101310		85.39	4.030	-53.949	-0.1346392	0.054831	
7212 1101340	-0.0928	85.19	3.286	-55.328	-0.0908467	0.127493	-0.0020
7212 1101440	0.0349	84.87	1.792	-58.080	0.0460907	0.139477	-0.0112
7212 1101510		84.74	1.043	-59.455	0.0981893	0.078776	
7212 1101540	0.1344	84.64	0.294	-60.829	0.1182348	0.014176	0.0162
7212 1101610		84.57	-0.456	-62.203	0.1169112	-0.013802	
7212 1101640	0.1068	84.52	-1.206	-63.577	0.1105481	-0.008922	-0.0037
7212 1101740	0.1202	84.49	-2.702	-66.329	0.1381324	0.088052	-0.0179
7212 1101810		84.52	-3.449	-67.707	0.1989354	0.180161	
7212 1101840	0.3287	84.57	-4.193	-69.088	0.2999892	0.243094	0.0287
7212 1101910		84.65	-4.934	-70.471	0.4099503	0.218629	
7212 1101940	0.4797	84.75	-5.673	-71.856	0.4975071	0.165836	-0.0178
7212 1102040	0.6310	85.03	-7.140	-74.638	0.6349937	0.152454	-0.0040
7212 1102110		85.20	-7.868	-76.035	0.7133067	0.191881	
7212 1102140	0.8181	85.41	-8.590	-77.437	0.8020298	0.165437	0.0161
7212 1102210		85.63	-9.308	-78.844	0.8410447	-0.023536	
7212 1102240	0.7631	85.88	-10.019	-80.255	0.7726606	-0.262253	-0.0096
7212 1102340	0.3720	86.46	-11.424	-83.097	0.3778511	-0.550947	-0.0059
7212 1102410		86.78	-12.115	-84.528	0.1095056	-0.600892	
7212 1102440	-0.1465	87.12	-12.800	-85.965	-0.1609953	-0.546913	0.0145
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7212 1103010		92.39	-19.689	-102.313	-1.2654274	0.167697	
7212 1103040	-1.0898	93.00	-20.245	-103.854	-1.0893354	0.577203	-0.0005
7212 1103110		93.62	-20.787	-105.405	-0.7490665	0.878629	
7212 1103140	-0.2993	94.26	-21.315	-106.966	-0.2991478	1.043036	-0.0002
7212 1103240	0.6373	95.59	-22.325	-110.117	0.6372154	0.874617	0.0001
7212 1103310		96.28	-22.807	-111.709	0.9705808	0.541711	
7212 1103340	1.1344	97.00	-23.273	-113.309	1.1344190	0.189183	0.0000
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7212 1 91531	0.6416	159.09	4.697	96.944	0.6416007	-0.040758	0.0000
7212 1 91631	0.5752	158.71	6.064	96.386	0.5751828	-0.098169	0.0000
7212 1 917 1		158.48	6.743	95.101	0.5255055	-0.115773	
7212 1 91731	0.4690	158.23	7.418	93.813	0.4690779	-0.128216	-0.0001
7212 1 91831	0.3425	157.65	8.759	91.223	0.3423338	-0.144370	0.0002
7212 1 919 1		157.32	9.424	89.920	0.2747043	-0.148079	
7212 1 91931	0.2061	156.97	10.083	88.612	0.2063048	-0.147229	-0.0002
7212 1 920 1		156.59	10.738	87.299	0.1397141	-0.140171	
7212 1 92031	0.0773	156.19	11.388	85.979	0.0771583	-0.131274	0.0001
7212 1 92131	-0.0386	155.31	12.670	83.319	-0.0385592	-0.121053	0.0000
7212 1 922 1		154.84	13.302	81.978	-0.0940515	-0.119731	
7212 1 92231	-0.1482	154.34	13.927	80.630	-0.1485317	-0.114623	0.0003
7212 1 923 1		153.82	14.545	79.273	-0.1983346	-0.099413	
7212 1 92331	-0.2407	153.28	15.156	77.909	-0.2390464	-0.075879	-0.0017
7212 1 92431	-0.2767	152.13	16.353	75.153	-0.2803108	-0.009127	0.0036
7212 1 925 1		151.53	16.939	73.762	-0.2747994	0.034093	
7212 1 92531	-0.2580	150.90	17.516	72.361	-0.2535090	0.046932	-0.0045
7212 1 926 1		150.25	18.083	70.950	-0.2418268	-0.007553	
7212 1 92631	-0.2607	149.58	18.641	69.529	-0.2638804	-0.084152	0.0032
7212 1 92731	-0.3882	148.18	19.724	66.657	-0.3874741	-0.168174	-0.0007
7212 1 928 1		147.45	20.250	65.204	-0.4677251	-0.175585	
7212 1 92831	-0.5441	146.70	20.764	63.741	-0.5432259	-0.141555	-0.0009
7212 1 929 1		145.94	21.265	62.267	-0.5892174	-0.047682	
7212 1 92931	-0.5832	145.16	21.755	60.782	-0.5842452	0.065795	0.0010
7212 1 93031	-0.4415	143.54	22.695	57.778	-0.4408700	0.231035	-0.0006
7212 1 931 1		142.71	23.144	56.259	-0.3214521	0.282789	
7212 1 93131	-0.1845	141.86	23.579	54.728	-0.1847196	0.302292	0.0002
7212 1 932 1		140.99	24.000	53.186	-0.0490842	0.277889	
7212 1 93231	0.0693	140.12	24.406	51.633	0.0690097	0.234866	0.0003
7212 1 93331	0.2524	138.32	25.170	48.493	0.2533157	0.168779	-0.0009
7212 1 934 1		137.40	25.528	46.906	0.3256668	0.145718	
7212 1 93431	0.3901	136.47	25.869	45.308	0.3889817	0.129898	0.0011
7212 1 935 1		135.53	26.193	43.700	0.4468116	0.121893	
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7212 1 93631	0.5437	132.64	27.058	38.815	0.5444791	-0.026088	-0.0008
7212 1 937 1		131.66	27.309	37.168	0.5082777	-0.135745	
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7212 1 938 1		129.67	27.754	33.846	0.2754456	-0.360258	
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7212 1 93931	-0.2975	126.63	28.273	28.806	-0.2974277	-0.370698	-0.0001
7212 1 940 1		125.61	28.406	27.112	-0.4422160	-0.245744	
7212 1 94031	-0.5157	124.58	28.517	25.413	-0.5169806	-0.072906	0.0013
7212 1 941 1		123.55	28.608	23.708	-0.5046456	0.131607	
7212 1 94131	-0.3996	122.52	28.677	21.999	-0.3962380	0.331166	-0.0034
7212 1 94231	0.0553	120.44	28.752	18.571	0.0491919	0.606005	0.0061
7212 1 943 1		119.40	28.757	16.852	0.3479768	0.681264	
7212 1 94331	0.6584	118.37	28.741	15.132	0.6652978	0.672417	-0.0069
7212 1 944 1		117.33	28.702	13.411	0.9493442	0.536790	
7212 1 94431	1.1540	116.29	28.642	11.690	1.1505769	0.333678	0.0034
7212 1 94531	1.2646	114.22	28.457	8.249	1.2621963	-0.097428	0.0024
7212 1 946 1		113.19	28.332	6.530	1.1648911	-0.325426	
7212 1 94631	0.9631	112.17	28.185	4.815	0.9687423	-0.507838	-0.0056
7212 1 947 1		111.15	28.017	3.102	0.7112493	-0.590921	
7212 1 94731	0.4367	110.14	27.828	1.394	0.4326997	-0.611704	0.0040
7212 1 94831	-0.1242	108.13	27.386	-2.010	-0.1241678	-0.577669	0.0000
7212 1 949 1		107.13	27.134	-3.704	-0.3792105	-0.522839	
7212 1 94931	-0.6055	106.15	26.862	-5.392	-0.6033170	-0.444452	-0.0022
7212 1 950 1		105.17	26.570	-7.073	-0.7862133	-0.344100	
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7212 1 95131	-1.0260	102.31	25.574	-12.072	-1.0277288	-0.001908	0.0017
7212 1 952 1		101.37	25.204	-13.722	-1.0014944	0.115848	
7212 1 95231	-0.9262	100.46	24.816	-15.364	-0.9231601	0.218059	-0.0030
7212 1 953 1		99.55	24.409	-16.997	-0.8051971	0.287413	
7212 1 95331	-0.6613	98.66	23.985	-18.621	-0.6626895	0.324851	0.0014
7212 1 95431	-0.3597	96.92	23.084	-21.840	-0.3614773	0.306956	0.0018
7212 1 955 1		96.07	22.609	-23.436	-0.2313325	0.251607	
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7212 1 95731	0.1676	92.10	20.003	-31.267	0.1685230	0.118319	-0.0009
7212 1 958 1		91.35	19.438	-32.804	0.2149282	0.081173	
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7212 1 959 1		89.94	18.271	-35.850	0.2588591	0.022057	
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7212 110 031	0.2300	87.98	16.428	-40.350	0.2328069	-0.074380	-0.0028
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7212 110 931	-0.1610	80.83	3.777	-66.018	-0.1605241	-0.321480	-0.0005
7212 11010 1		80.68	3.027	-67.402	-0.2849798	-0.203290	
7212 1101031	-0.3381	80.58	2.276	-68.784	-0.3437755	-0.056199	0.0057
7212 11011 1		80.48	1.522	-70.165	-0.3413340	0.061962	
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7212 11017 1		81.67	-7.457	-86.793	0.0557822	-0.343551	
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7212 1102031	-0.7202	84.20	-12.441	-96.728	-0.7166654	-0.093074	-0.0035
7212 1102131	-0.7802	85.16	-13.800	-99.623	-0.7858043	-0.015374	0.0056
7212 11022 1		85.66	-14.468	-101.083	-0.7648701	0.116396	
7212 1102231	-0.6698	86.21	-15.125	-102.549	-0.6633235	0.345586	-0.0065
7212 11023 1		86.77	-15.773	-104.024	-0.4253679	0.707489	
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7212 1 9 558		164.53	-3.254	102.042	0.7583736	-0.113531	
7212 1 9 628	0.7193	164.58	-2.570	100.777	0.7194631	-0.060161	-0.0002
7212 1 9 728	0.6805	164.59	-1.198	98.252	0.6801559	-0.045428	0.0003
7212 1 9 758		164.54	-0.511	96.990	0.6514376	-0.084078	
7212 1 9 828	0.5997	164.47	0.176	95.728	0.6000280	-0.138954	-0.0003
7212 1 9 858		164.37	0.863	94.466	0.5228506	-0.195637	
7212 1 9 928	0.4211	164.24	1.550	93.204	0.4212559	-0.240186	-0.0002
7212 1 91028	0.1873	163.90	2.922	90.675	0.1863863	-0.251182	0.0009
7212 1 91058		163.68	3.606	89.408	0.0771538	-0.217615	
7212 1 91128	-0.0148	163.44	4.289	88.139	-0.0134787	-0.177061	-0.0013
7212 1 91158		163.16	4.969	86.868	-0.0881882	-0.148559	
7212 1 91228	-0.1509	162.86	5.648	85.593	-0.1519601	-0.128579	0.0011
7212 1 91328	-0.2581	162.17	6.997	83.034	-0.2576434	-0.103674	-0.0005
7212 1 91358		161.78	7.666	81.748	-0.3041818	-0.098742	
7212 1 91428	-0.3492	161.37	8.333	80.457	-0.3489097	-0.094405	-0.0003
7212 1 91458		160.93	8.995	79.162	-0.3907624	-0.086240	
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7212 1 91658		158.89	11.599	73.923	-0.4807937	0.006069	
7212 1 91728	-0.4686	158.32	12.237	72.597	-0.4745145	0.010632	0.0059
7212 1 91758		157.72	12.869	71.264	-0.4806801	-0.047846	
7212 1 91828	-0.5315	157.09	13.495	69.923	-0.5211250	-0.122159	-0.0104
7212 1 91928	-0.6524	155.77	14.726	67.218	-0.6687839	-0.176773	0.0164
7212 1 91958		155.07	15.330	65.853	-0.7470617	-0.157059	
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7212 1 92058		153.60	16.516	63.095	-0.8413566	-0.027632	
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7212 1 92228	-0.6634	151.23	18.227	58.887	-0.6570512	0.313431	-0.0063
7212 1 92258		150.40	18.779	57.464	-0.4845313	0.453344	
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7212 1 92828	0.8329	139.99	24.069	41.084	0.8273270	-0.058686	0.0056
7212 1 92858		138.95	24.468	39.526	0.7893708	-0.106668	
7212 1 92928	0.7164	137.89	24.852	37.957	0.7236574	-0.188317	-0.0073
7212 1 92958		136.82	25.220	36.376	0.6059786	-0.331690	
7212 1 93028	0.4141	135.74	25.571	34.784	0.4180963	-0.470537	-0.0040
7212 1 93128	-0.0510	133.54	26.222	31.568	-0.0684540	-0.536203	0.0175
7212 1 93158		132.43	26.521	29.944	-0.3018562	-0.462987	
7212 1 93228	-0.5018	131.31	26.803	28.310	-0.4888439	-0.343492	-0.0130
7212 1 93428		126.74	27.740	21.679	-0.5334144	0.353649	
7212 1 93628	0.5600	122.08	28.360	14.920	0.5513190	0.618724	0.0087
7212 1 93728	0.9889	119.74	28.546	11.504	0.9968932	0.295780	-0.0080

7212 1 93758		118.56	28.607	9.788	1.0728101	0.020396	
7212 1 93828	1.0154	117.39	28.647	8.069	1.0160837	-0.252808	-0.0007
7212 1 93858		116.22	28.665	6.347	0.8516865	-0.445910	
7212 1 93928	0.6175	115.05	28.661	4.622	0.6144531	-0.573422	0.0030
7212 1 94028	0.0215	112.72	28.589	1.168	0.0220941	-0.675668	-0.0006
7212 1 94058		111.56	28.519	-0.559	-0.2860084	-0.650377	
7212 1 94128	-0.5721	110.40	28.429	-2.286	-0.5725621	-0.586876	0.0005
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7212 1 94228	-1.0351	108.11	28.181	-5.736	-1.0289614	-0.387326	-0.0061
7212 1 94328	-1.2504	105.85	27.848	-9.176	-1.2655987	-0.113513	0.0152
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7212 1 94428	-1.2381	103.63	27.428	-12.601	-1.2172064	0.228944	-0.0209
7212 1 94458		102.52	27.187	-14.306	-1.0673757	0.422421	
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7212 1 94758		96.21	25.315	-24.399	0.4286891	0.329472	
7212 1 94828	0.5594	95.22	24.935	-26.055	0.5632054	0.253112	-0.0038
7212 1 94928	0.7151	93.27	24.119	-29.339	0.7250369	0.096569	-0.0099
7212 1 94958		92.32	23.684	-30.968	0.7511632	0.016385	
7212 1 95028	0.7580	91.39	23.233	-32.588	0.7441530	-0.037927	0.0138
7212 1 95058		90.48	22.764	-34.198	0.7242939	-0.039258	
7212 1 95128	0.7141	89.60	22.279	-35.798	0.7103502	-0.024682	0.0037
7212 1 95228	0.6449	87.88	21.261	-38.970	0.6782077	-0.059058	-0.0333
7212 1 95258		87.06	20.729	-40.541	0.6404498	-0.108020	
7212 1 95328	0.6362	86.26	20.183	-42.102	0.5844571	-0.118074	0.0517
7212 1 95358		85.48	19.623	-43.654	0.5466641	-0.029122	
7212 1 95428	0.5087	84.74	19.049	-45.196	0.5595870	0.073013	-0.0509
7212 1 95528	0.6846	83.31	17.862	-48.252	0.6431122	0.059499	0.0415
7212 1 95558		82.63	17.250	-49.767	0.6466716	-0.056185	
7212 1 95628	0.5603	81.98	16.627	-51.272	0.5911317	-0.172593	-0.0308
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7212 110 128	-0.2620	77.05	9.860	-65.887	-0.2716798	-0.287570	0.0097
7212 110 158		76.71	9.141	-67.312	-0.4039893	-0.280910	
7212 110 228	-0.5448	76.42	8.416	-68.731	-0.5251843	-0.236053	-0.0196
7212 110 258		76.15	7.686	-70.146	-0.6144459	-0.142459	
7212 110 328	-0.6458	75.92	6.951	-71.556	-0.6546507	-0.035330	0.0089
7212 110 428	-0.5993	75.54	5.469	-74.364	-0.6116170	0.114136	0.0123
7212 110 458		75.40	4.723	-75.764	-0.5483130	0.156461	
7212 110 528	-0.4943	75.29	3.974	-77.160	-0.4716017	0.169853	-0.0227
7212 110 558		75.21	3.222	-78.554	-0.3970556	0.146998	
7212 110 628	-0.3272	75.18	2.468	-79.946	-0.3385841	0.106485	0.0114
7212 110 728	-0.2658	75.19	0.957	-82.726	-0.2766836	0.028205	0.0109
7212 110 758		75.23	0.201	-84.115	-0.2724148	-0.009561	
7212 110 828	-0.3065	75.32	-0.556	-85.503	-0.2836285	-0.035104	-0.0229
7212 110 858		75.44	-1.312	-86.892	-0.3012112	-0.037135	
7212 110 928	-0.3013	75.59	-2.067	-88.281	-0.3162448	-0.028294	0.0149
7212 1101028	-0.3334	75.99	-3.573	-91.063	-0.3361129	-0.015921	0.0027
7212 1101058		76.23	-4.324	-92.457	-0.3425813	-0.012391	
7212 1101128	-0.3556	76.51	-5.071	-93.853	-0.3419877	0.027318	-0.0136
7212 1101158		76.81	-5.815	-95.253	-0.3059370	0.141196	
7212 1101228	-0.1947	77.16	-6.555	-96.654	-0.2071154	0.284367	0.0124
7212 1101328	0.1651	77.93	-8.022	-99.470	0.1709639	0.524212	-0.0059
7212 1101358		78.35	-8.749	-100.884	0.4359259	0.620878	
7212 1101428	0.7510	78.82	-9.469	-102.303	0.7496841	0.752850	0.0013
7212 1101458		79.30	-10.184	-103.727	1.1443629	0.971058	
7212 1101528	1.6355	79.83	-10.892	-105.156	1.6355587	1.119437	-0.0001
7212 1101628	2.5630	80.95	-12.287	-108.034	2.5629978	0.738863	0.0000

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ICoord = 3.109573, 4.599665,
TSTATE = 1, 1636.850, 104.5570, 881.2043, 5.9928223E-03,
LONEP = -1.618261, 9.1835678E-02,
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TRANSA = 0.0000000E+00,
TRANSE = 0.0000000E+00,
GM = 4902.780,
ERAD = 402690.7,
ELAT = 3.707226, 2*0.0000000E+00,
ELON = 4.906723, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DTEIT = 0.2000000,
CONFAC = 1.083000
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7212 1 85540 -0.0440 164.13 -11.607 106.717 -0.0439992 -0.158708 0.0000
7212 1 85840 0.0402 166.58 -7.709 98.926 0.0399155 0.104158 0.0003
7212 1 85910 166.88 -7.045 97.645 0.0833559 0.080803
7212 1 85940 0.1168 167.15 -6.378 96.368 0.1121881 0.042241 -0.0014
7212 1 9 040 0.1065 167.60 -5.035 93.825 0.1034746 -0.068606 0.0030
7212 1 9 110 167.78 -4.360 92.558 0.0555394 -0.140897
7212 1 9 140 -0.0265 167.93 -3.683 91.294 -0.0225745 -0.186905 -0.0039
7212 1 9 210 168.04 -3.004 90.031 -0.1072276 -0.169134
7212 1 9 240 -0.1705 168.13 -2.324 88.771 -0.1739291 -0.120041 0.0034
7212 1 9 340 -0.2429 168.20 -0.960 86.253 -0.2406512 -0.025233 -0.0022
7212 1 9 410 168.18 -0.278 84.995 -0.2417047 0.020481
7212 1 9 440 -0.2225 168.14 0.405 83.737 -0.2237622 0.053074 0.0013
7212 1 9 510 168.07 1.087 82.479 -0.1965577 0.060578
7212 1 9 540 -0.1704 167.96 1.769 81.220 -0.1700164 0.053854 -0.0004
7212 1 9 640 -0.1307 167.65 3.130 78.699 -0.1301177 0.030328 -0.0006
7212 1 9 710 167.45 3.809 77.435 -0.1198642 0.013525
7212 1 9 740 -0.1158 167.22 4.486 76.170 -0.1168111 0.002030 0.0010
7212 1 9 810 166.95 5.161 74.902 -0.1158401 0.004505
7212 1 9 840 -0.1127 166.66 5.834 73.630 -0.1123332 0.009051 -0.0004
7212 1 9 940 -0.1112 165.98 7.172 71.077 -0.1103631 -0.011336 -0.0008
7212 1 91010 165.59 7.836 69.794 -0.1209768 -0.036275
7212 1 91040 -0.1441 165.17 8.496 68.507 -0.1456920 -0.073145 0.0016
7212 1 91110 164.73 9.152 67.214 -0.1906834 -0.124076
7212 1 91140 -0.2600 164.25 9.805 65.917 -0.2584339 -0.163173 -0.0016
7212 1 91240 -0.4034 163.21 11.095 63.303 -0.4045935 -0.128274 0.0012
7212 1 91310 162.65 11.732 61.987 -0.4481856 -0.054259
7212 1 91340 -0.4498 162.06 12.364 60.664 -0.4490808 0.056277 -0.0007
7212 1 91410 161.44 12.990 59.334 -0.3907622 0.202228
7212 1 91440 -0.2628 160.79 13.610 57.996 -0.2626481 0.346328 -0.0002
7212 1 91540 0.1495 159.41 14.828 55.297 0.1481739 0.517497 0.0013
7212 1 91610 158.68 15.426 53.934 0.3948679 0.544546
7212 1 91640 0.6403 157.93 16.017 52.563 0.6422366 0.514741 -0.0019
7212 1 91710 157.15 16.599 51.183 0.8586584 0.410232
7212 1 91740 1.0180 156.35 17.172 49.793 1.0165361 0.276444 0.0015
7212 1 91840 1.1651 154.67 18.292 46.983 1.1655600 0.057083 -0.0005
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7212 1 92040 1.0004 151.02 20.410 41.240 1.0006309 -0.205998 -0.0002
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7212 1 92810 134.66 26.481 18.103 -0.1838278 0.670521
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7212 1 92910 132.24 27.016 14.833 0.4235134 0.587350
7212 1 92940 0.6654 131.01 27.256 13.183 0.6620523 0.439524 0.0033
7212 1 93040 0.8881 128.54 27.678 9.858 0.8886893 0.024953 -0.0006
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7212 1 93140 0.6687 126.04 28.021 6.500 0.6700776 -0.478380 -0.0014
7212 1 93210 124.78 28.163 4.810 0.4137868 -0.615080
7212 1 93240 0.1150 123.51 28.284 3.114 0.1128123 -0.682455 0.0022
7212 1 93340 -0.5405 120.98 28.463 -0.296 -0.5378922 -0.701183 -0.0026
7212 1 93410 119.70 28.521 -2.008 -0.8519077 -0.652517
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7212 1 93510 117.16 28.573 -5.442 -1.3611624 -0.41776
7212 1 93540 -1.5147 115.89 28.566 -7.163 -1.5148331 -0.247080 0.0001
7212 1 93640 -1.5817 113.35 28.489 -10.610 -1.5780281 0.114866 -0.0037
7212 1 93710 112.09 28.417 -12.335 -1.4810499 0.306359
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7212 1 93810 109.58 28.209 -15.783 -1.0334135 0.646683
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7212 110 130 -0.0545 71.54 4.052 -88.554 -0.0536686 0.087314 -0.0008
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TRANSB = 0.0000000E+00,
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7212 2 84828	0.2474	161.33	-15.535	103.519	0.2474430	-0.228972	0.0000
7212 2 84858		162.12	-14.941	102.159	0.1418565	-0.222212	
7212 2 84928	0.0458	162.88	-14.339	100.807	0.0456058	-0.193707	0.0002
7212 2 85028	-0.1003	164.31	-13.115	98.128	-0.0998841	-0.117063	-0.0004
7212 2 85058		164.98	-12.493	96.800	-0.1430738	-0.068922	
7212 2 85128	-0.1661	165.62	-11.866	95.479	-0.1666408	-0.041014	0.0005
7212 2 85158		166.24	-11.232	94.166	-0.1881762	-0.060101	
7212 2 85228	-0.2251	166.82	-10.593	92.859	-0.2246141	-0.095309	-0.0005
7212 2 85328	-0.3289	167.89	-9.301	863	-0.3292441	-0.121486	0.0003
7212 2 85358		168.38	-8.649	873	-0.3838195	-0.112447	
7212 2 85428	-0.4305	168.83	-7.992	87.689	-0.4302873	-0.085296	-0.0002
7212 2 85458		169.26	-7.332	86.409	-0.4592683	-0.036653	
7212 2 85528	-0.4632	169.65	-6.669	85.133	-0.4632598	0.017679	0.0001
7212 2 85628	-0.4075	170.34	-5.333	82.594	-0.4076283	0.096094	0.0001
7212 2 85658		170.63	-4.662	81.329	-0.3573105	0.120174	
7212 2 85728	-0.2984	170.89	-3.988	80.067	-0.2981222	0.134789	-0.0003
7212 2 85758		171.12	-3.313	78.808	-0.2342093	0.140575	
7212 2 85828	-0.1689	171.32	-2.637	77.550	-0.1692970	0.140017	0.0004
7212 2 85928	-0.0452	171.60	-1.280	75.039	-0.0446775	0.127340	-0.0005
7212 2 85958		171.70	-0.601	73.785	0.0114698	0.115218	
7212 2 9 028	0.0622	171.76	0.078	72.531	0.0616007	0.102376	0.0006
7212 2 9 058		171.78	0.758	71.278	0.1063693	0.091939	
7212 2 9 128	0.1455	171.78	1.436	70.024	0.1460954	0.078909	-0.0006
7212 2 9 228	0.1993	171.66	2.792	67.513	0.1987374	0.030047	0.0006
7212 2 9 258		171.55	3.468	66.256	0.2046305	-0.005788	
7212 2 9 328	0.1933	171.41	4.143	64.996	0.1939816	-0.037815	-0.0007
7212 2 9 358		171.24	4.815	63.734	0.1720507	-0.054644	
7212 2 9 428	0.1471	171.03	5.486	62.470	0.1458957	-0.056077	0.0012
7212 2 9 528	0.1076	170.51	6.819	59.931	0.1095782	-0.012198	-0.0020
7212 2 9 558		170.20	7.481	58.656	0.1138091	0.030222	
7212 2 9 628	0.1442	169.86	8.139	57.377	0.1418339	0.151778	0.0024
7212 2 9 658		169.49	8.794	56.093	0.1972592	0.203968	-0.0020
7212 2 9 728	0.2784	169.09	9.445	54.804	0.2803969	0.228240	0.0012
7212 2 9 828	0.4894	168.18	10.733	52.209	0.4881594	0.200309	
7212 2 9 858		167.68	11.369	50.902	0.5881258	0.151631	-0.0006
7212 2 9 928	0.6693	167.14	12.001	49.590	0.6699271	0.088136	
7212 2 9 958		166.58	12.626	48.270	0.7258515	0.019819	0.0001
7212 2 91028	0.7507	165.98	13.245	46.943	0.7505717	-0.101455	0.0004
7212 2 91128	0.7117	164.71	14.464	44.266	0.7113038	-0.154409	
7212 2 91158		164.02	15.063	42.915	0.6520354		

7212 2 91228	0.5686	163.31	15.655	41.556	0.5692016	-0.204312	-0.0006
7212 2 91258		162.56	16.238	40.187	0.4635220	-0.253278	
7212 2 91328	0.3355	161.80	16.813	38.816	0.3353482	-0.302179	0.0002
7212 2 91428	0.0109	160.17	17.937	36.027	0.0102570	-0.402532	0.0006
7212 2 91458		159.32	18.485	34.621	-0.1874530	-0.453984	
7212 2 91528	-0.4080	158.44	19.023	33.204	-0.4069882	-0.492816	-0.0010
7212 2 91558		157.53	19.550	31.777	-0.6384914	-0.505588	
7212 2 91628	-0.8669	156.61	20.067	30.340	-0.8674136	-0.476674	0.0005
7212 2 91728	-1.2187	154.67	21.067	27.432	-1.2191161	-0.246904	0.0004
7212 2 91758		153.67	21.550	25.961	-1.2889488	-0.046019	
7212 2 91828	-1.2591	152.65	22.020	24.480	-1.2584889	-0.175245	-0.0006
7212 2 91858		151.60	22.477	22.987	-1.1296433	-0.380102	
7212 2 91928	-0.9135	150.53	22.920	21.482	-0.9126446	-0.551738	-0.0009
7212 2 92028	-0.2952	148.33	23.766	18.439	-0.2984353	-0.745377	0.0032
7212 2 92058		147.20	24.168	16.900	0.0527271	-0.767355	
7212 2 92128	0.3955	146.05	24.554	15.350	0.3995726	-0.720854	-0.0041
7212 2 92158		144.88	24.925	13.789	0.7049254	-0.587256	
7212 2 92228	0.9354	143.70	25.380	12.216	0.9338035	-0.401470	0.0016
7212 2 92328	1.1169	141.28	25.942	9.039	1.1142234	-0.022262	0.0027
7212 2 92358		140.05	26.247	7.434	1.0496769	-0.260215	
7212 2 92428	0.8736	138.81	26.535	5.819	0.8787565	-0.467055	-0.0052
7212 2 92458		137.54	26.804	4.193	0.6306327	-0.594432	
7212 2 92528	0.3433	136.28	27.056	2.558	0.3389654	-0.662824	0.0043
7212 2 92628	-0.2968	133.70	27.504	-0.739	-0.2948397	-0.684388	-0.0020
7212 2 92658		132.39	27.698	-2.400	-0.6015098	-0.637541	
7212 2 92728	-0.8770	131.08	27.874	-4.070	-0.8770726	-0.548765	0.0001
7212 2 92758		129.75	28.029	-5.747	-1.1012075	-0.414487	
7212 2 92828	-1.2542	128.42	28.165	-7.430	-1.2555147	-0.252329	0.0013
7212 2 92928	-1.3303	125.74	28.374	-10.817	-1.3276082	-0.103075	-0.0027
7212 2 92958		124.39	28.448	-12.518	-1.2357973	-0.296327	
7212 2 93028	-1.0525	123.04	28.501	-14.223	-1.0555928	-0.479268	0.0031
7212 2 93058		121.68	28.532	-15.933	-0.7979945	-0.631363	
7212 2 93128	-0.4817	120.33	28.542	-17.645	-0.4802954	-0.733627	-0.0014
7212 2 93228	0.2161	117.61	28.498	-31.077	0.2175205	-0.732029	-0.0014
7212 2 93258		116.25	28.444	-22.795	0.5341840	-0.628134	
7212 2 93328	0.7928	114.90	28.368	-24.513	0.7901026	-0.476009	0.0027
7212 2 93358		113.54	28.271	-26.231	0.9694160	-0.296048	
7212 2 93428	1.0629	112.19	28.152	-27.948	1.0637082	-0.117597	-0.0008
7212 2 93528	1.0379	109.51	27.850	-31.377	1.0406078	-0.147141	-0.0027
7212 2 93558		108.17	27.667	-33.087	0.9515669	-0.223413	
7212 2 93628	0.8365	106.84	27.462	-34.793	0.8320971	-0.274142	0.0044
7212 2 93658		105.52	27.237	-36.496	0.7077167	-0.254552	
7212 2 93728	0.5991	104.22	26.992	-38.193	0.6015247	-0.205889	-0.0024
7212 2 93828	0.4526	101.63	26.439	-41.572	0.4540169	-0.115059	-0.0014
7212 2 93858		100.35	26.132	-43.252	0.4107086	-0.072891	
7212 2 93928	0.3861	99.09	25.805	-44.926	0.3826341	-0.057204	0.0035
7212 2 93958		97.83	25.460	-46.592	0.3500728	-0.092301	
7212 2 94028	0.2926	96.60	25.095	-48.251	0.2946309	-0.145464	-0.0020
7212 2 94128	0.1259	94.18	24.309	-51.544	0.1269842	-0.207902	-0.0011
7212 2 94158		92.99	23.889	-53.179	0.0282857	-0.217168	
7212 2 94228	-0.0688	91.83	23.451	-54.804	-0.0711211	-0.210713	0.0023
7212 2 94258		90.68	22.996	-56.421	-0.1636903	-0.187446	
7212 2 94328	-0.2422	89.55	22.524	-58.028	-0.2426436	-0.154042	0.0004
7212 2 94428	-0.3556	87.36	21.532	-61.216	-0.3502870	-0.076796	-0.0053
7212 2 94458		86.29	21.012	-62.796	-0.3757583	-0.032952	
7212 2 94528	-0.3761	85.26	20.478	-64.366	-0.3835435	-0.007475	0.0074
7212 2 94558		84.24	19.929	-65.928	-0.3888461	-0.022194	
7212 2 94628	-0.4086	83.26	19.366	-67.480	-0.4046906	-0.041175	-0.0039
7212 2 94728	-0.4287	81.36	18.199	-70.557	-0.4261200	-0.015875	-0.0026
7212 2 94758		80.44	17.596	-72.082	-0.4024525	-0.091921	
7212 2 94828	-0.3391	79.57	16.981	-73.598	-0.3452937	-0.141689	0.0062
7212 2 94858		78.71	16.355	-75.106	-0.2845818	-0.107244	
7212 2 94928	-0.2542	77.89	15.717	-76.605	-0.2498458	-0.049525	-0.0044
7212 2 95028	-0.2170	76.33	14.411	-79.580	-0.2168540	-0.047040	-0.0001
7212 2 95058		75.59	13.742	-81.057	-0.1838274	-0.102292	
7212 2 95128	-0.1199	74.90	13.065	-82.525	-0.1239537	-0.147490	0.0041

7212 2 95150		74.22	12.379	-83.987	-0.0565268	0.134940	
7212 2 95220	-0.0107	73.60	11.685	-85.442	-0.0027562	0.100276	-0.0079
7212 2 95300	0.0848	72.43	10.273	-88.334	0.0723878	0.071500	0.0124
7212 2 95380		71.89	9.557	-89.772	0.1062425	0.077395	
7212 2 95420	0.1170	71.39	8.835	-91.203	0.1433378	0.079958	-0.0143
7212 2 95450		70.92	8.106	-92.631	0.1769647	0.062331	
7212 2 95520	0.2099	70.50	7.373	-94.053	0.1987774	0.030954	0.0111
7212 2 95620	0.1853	69.75	5.893	-96.867	0.1904947	-0.053776	-0.0052
7212 2 95650		69.43	5.146	-98.299	0.1536281	-0.107132	
7212 2 95720	0.0942	69.15	4.397	-99.708	0.0930501	-0.150919	0.0011
7212 2 95820	-0.0583	68.69	2.890	-102.519	-0.0582574	-0.159186	0.0000

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7212 2 83928	0.1803	149.81	-20.992	106.075	0.1802942	-0.225134	0.0000	
7212 2 84028	-0.0171	152.14	-19.988	103.254	-0.0169430	-0.195031	-0.0002	
7212 2 84058		153.26	-19.469	101.710	-0.1002645	-0.164111		
7212 2 84128	-0.1675	154.37	-18.939	100.278	-0.1682091	-0.131435	0.0007	
7212 2 84228	-0.2685	156.51	-17.850	97.444	-0.2669894	-0.087223	-0.0015	
7212 2 84258		157.55	-17.291	96.043	-0.3043295	-0.075690		
7212 2 84328	-0.3359	158.56	-16.723	94.652	-0.3376777	-0.069345	0.0018	
7212 2 84358		159.54	-16.146	93.271	-0.3688703	-0.066319		
7212 2 84428	-0.3998	160.50	-15.561	91.899	-0.3989065	-0.063245	-0.0009	
7212 2 84528	-0.4514	162.33	-14.369	89.182	-0.4507846	-0.046845	-0.0006	
7212 2 84558		163.20	-13.762	87.837	-0.4694691	-0.033517		
7212 2 84628	-0.4797	164.05	-13.148	86.500	-0.4811137	-0.016159	0.0014	
7212 2 84658		164.86	-12.528	85.170	-0.4836720	-0.005853		
7212 2 84728	-0.4763	165.65	-11.902	83.849	-0.4754639	0.029470	-0.0008	
7212 2 84828	-0.4284	167.13	-10.634	81.226	-0.4279824	0.072421	-0.0004	
7212 2 84858		167.83	-9.993	79.924	-0.3900243	0.091755		
7212 2 84928	-0.3418	168.49	-9.346	78.629	-0.3429712	0.112973	0.0012	
7212 2 84958		169.12	-8.696	77.339	-0.2849052	0.139407		
7212 2 85028	-0.2152	169.72	-8.042	76.055	-0.2141882	0.166244	-0.0010	
7212 2 85128	-0.0402	170.82	-6.723	73.500	-0.0406358	0.206741	0.0004	
7212 2 85158		171.32	-6.060	72.229	-0.0581466	0.220399		
7212 2 85228	0.1607	171.79	-5.393	70.962	0.1607067	0.219990	0.0000	
7212 2 85258		172.22	-4.724	69.698	0.2576216	0.195837		
7212 2 85328	0.3393	172.62	-4.054	68.437	0.3395183	0.158565	-0.0002	
7212 2 85428	0.4492	173.32	-2.708	65.923	0.4488075	0.076482	0.0004	
7212 2 85458		173.61	-2.033	64.669	0.4738731	0.031670		
7212 2 85528	0.4786	173.87	-1.357	63.416	0.4791022	-0.006330	-0.0005	
7212 2 85558		174.10	-0.681	62.164	0.4705055	-0.028220		
7212 2 85628	0.4554	174.29	-0.005	60.913	0.4548866	-0.038151	0.0005	
7212 2 85728	0.4104	174.57	1.346	58.411	0.4188823	-0.034639	-0.0005	

7212 2 85758		174.66	2.021	57.160	0.4056929	-0.021191	
7212 2 85828	0.4001	174.71	2.695	55.907	0.3996938	-0.005275	0.0004
7212 2 85858		174.72	3.368	54.653	0.4003884	0.007796	
7212 2 85928	0.4063	174.70	4.039	53.397	0.4064987	0.018316	-0.0002
7212 2 9 028	0.4306	174.55	5.375	50.879	0.4307049	0.032617	-0.0001
7212 2 9 058		174.43	6.040	49.616	0.4467245	0.036397	
7212 2 9 128	0.4631	174.26	6.701	48.350	0.4626497	0.029373	0.0005
7212 2 9 158		174.07	7.360	47.079	0.4708646	0.002981	
7212 2 9 228	0.4628	173.83	8.015	45.805	0.4638258	-0.033672	-0.0010
7212 2 9 328	0.3994	173.27	9.314	43.243	0.3976234	-0.110503	0.0018
7212 2 9 358		172.93	9.957	41.955	0.3373690	-0.150682	
7212 2 9 428	0.2565	172.56	10.595	40.661	0.2584029	-0.191443	-0.0019
7212 2 9 458		172.16	11.228	39.361	0.1605911	-0.232228	
7212 2 9 528	0.0454	171.71	11.856	38.055	0.0447804	-0.267784	0.0006
7212 2 9 628	-0.2226	170.74	13.095	35.422	-0.2240547	-0.307544	0.0015
7212 2 9 658		170.20	13.705	34.095	-0.3674311	-0.311744	
7212 2 9 728	-0.5136	169.62	14.308	32.760	-0.5111680	-0.311142	-0.0024
7212 2 9 758		169.02	14.904	31.418	-0.6548592	-0.311394	
7212 2 9 828	-0.7957	168.38	15.493	30.067	-0.7968974	-0.299949	0.0012
7212 2 9 928	-1.0360	167.02	16.646	27.339	-1.0371644	-0.204301	0.0012
7212 2 9 958		166.29	17.210	25.962	-1.1129884	-0.120085	
7212 2 91028	-1.1450	165.52	17.766	24.575	-1.1426103	-0.000497	-0.0024
7212 2 91058		164.73	18.312	23.178	-1.1062679	0.165673	
7212 2 91128	-0.9873	163.91	18.848	21.772	-0.9886805	0.338130	0.0014
7212 2 91228	-0.5530	162.18	19.890	18.928	-0.5537202	0.581395	0.0007
7212 2 91258		161.28	20.394	17.491	-0.2676204	0.652187	
7212 2 91328	0.0388	160.34	20.888	16.043	0.0403751	0.670313	-0.0016
7212 2 91358		159.38	21.369	14.584	0.3403275	0.617817	
7212 2 91428	0.6020	158.40	21.839	13.114	0.6022080	0.512368	-0.0002
7212 2 91528	0.9483	156.34	22.740	10.140	0.9449245	0.209873	0.0034
7212 2 91558		155.28	23.171	8.637	0.9368822	0.010412	
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7212 2 91658		153.09	23.990	5.595	0.8371654	-0.325183	
7212 2 91728	0.6639	151.95	24.378	4.055	0.6611227	-0.433060	0.0028
7212 2 91828	0.1916	149.62	25.109	0.952	0.1905975	-0.560419	0.0011
7212 2 91858		148.43	25.450	-0.619	-0.0793260	-0.595887	
7212 2 91928	-0.3571	147.21	25.775	-2.199	-0.3535778	-0.583502	-0.0035
7212 2 91958		145.98	26.084	-3.791	-0.6099640	-0.518209	
7212 2 92028	-0.8232	144.73	26.375	-5.392	-0.8266448	-0.417609	0.0034
7212 2 92128	-1.1025	142.17	26.906	-8.625	-1.1002235	-0.163127	-0.0023
7212 2 92158		140.87	27.144	-10.256	-1.1407063	-0.009237	
7212 2 92228	-1.1057	139.55	27.363	-11.895	-1.1069473	0.156463	0.0012
7212 2 92258		138.22	27.564	-13.543	-0.9952943	0.328149	
7212 2 92328	-0.8069	136.88	27.745	-15.200	-0.8066768	0.482185	-0.0002
7212 2 92428	-0.2645	134.15	28.050	-18.534	-0.2635445	0.666791	-0.0010
7212 2 92458		132.78	28.172	-20.212	0.0529747	0.697340	
7212 2 92528	0.3722	131.39	28.274	-21.895	0.3706180	0.664641	0.0016
7212 2 92558		129.99	28.356	-23.584	0.6535373	0.546591	
7212 2 92628	0.8681	128.58	28.417	-25.278	0.8692736	0.389186	-0.0012
7212 2 92728	1.0906	125.76	28.476	-26.677	1.0903449	0.094031	0.0003
7212 2 92758		124.34	28.474	-30.381	1.1017083	-0.043716	
7212 2 92828	1.0544	122.91	28.451	-32.087	1.0539679	-0.155607	0.0004
7212 2 92858		121.48	28.407	-33.795	0.9649567	-0.222425	
7212 2 92928	0.8534	120.05	28.341	-35.584	0.8542172	-0.252694	-0.0008
7212 2 93028	0.6242	117.19	28.146	-38.921	0.6230785	-0.229298	0.0011
7212 2 93058		115.76	28.017	-40.628	0.5285199	-0.175619	
7212 2 93128	0.4583	114.33	27.866	-42.334	0.4593314	-0.132225	-0.0010
7212 2 93159		112.88	27.691	-44.065	0.3979057	-0.137857	
7212 2 93229	0.3267	111.43	27.485	-45.793	0.3266473	-0.164405	0.0001
7212 2 93331	0.1550	108.51	27.029	-49.294	0.1535513	-0.192691	0.0014
7212 2 934 1		107.11	26.773	-50.981	0.0639735	-0.194016	
7212 2 93431	-0.0265	105.71	26.496	-52.663	-0.0248064	-0.190211	-0.0017
7212 2 935 1		104.33	26.199	-54.338	-0.1113218	-0.184207	
7212 2 93531	-0.1948	102.95	25.883	-56.008	-0.1937807	-0.170957	-0.0010
7212 2 93631	-0.3208	100.23	25.192	-59.326	-0.3261614	-0.107586	0.0054
7212 2 937 1		98.89	24.818	-60.974	-0.3647346	-0.057465	

7212 2 93731	-0.3874	97.56	24.426	-62.615	-0.3809026	-0.010264	-0.0065
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7212 2 93931	-0.3748	92.41	22.680	-69.094	-0.3829189	0.052911	0.0081
7212 2 940 1		91.18	22.201	-70.692	-0.3438015	0.120327	
7212 2 94031	-0.2826	89.95	21.706	-72.281	-0.2734881	0.176863	-0.0091
7212 2 94131		87.57	20.670	-75.433	-0.1058595	0.156588	
7212 2 94231	0.0059	85.28	19.575	-78.549	-0.0640533	0.072179	0.0100
7212 2 94331	0.0289	83.08	18.425	-81.629	0.0426788	0.037298	-0.0138
7212 2 944 1		82.03	17.830	-83.156	0.0596833	0.038430	
7212 2 94431	0.0919	80.99	17.222	-84.675	0.0790938	0.045608	0.0128
7212 2 945 1		79.99	16.603	-86.185	0.1017512	0.052496	
7212 2 94531	0.1170	79.01	15.973	-87.688	0.1261646	0.050276	-0.0092
7212 2 94631	0.1555	77.14	14.679	-90.669	0.1512277	-0.007939	0.0043
7212 2 947 1		76.26	14.017	-92.148	0.1353263	-0.063933	
7212 2 94731	0.0885	75.40	13.345	-93.620	0.0894577	-0.137708	-0.0010
7212 2 948 1		74.58	12.665	-95.085	0.0054580	-0.229118	
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7212 2 823 8	-0.2036	113.82	-27.194	110.168	-0.2035851	0.045666	0.0000
7212 2 824 8	-0.1530	116.70	-26.737	106.810	-0.1534019	0.055875	0.0004
7212 2 82438		118.14	-26.480	105.146	-0.1297296	0.044878	
7212 2 825 8	-0.1145	119.58	-26.204	103.491	-0.1126850	0.020188	-0.0018
7212 2 826 8	-0.0949	122.45	-25.599	100.215	-0.0987736	0.001841	0.0039
7212 2 82638		123.89	-25.269	98.593	-0.1006662	-0.009815	
7212 2 827 8	-0.1120	125.32	-24.923	96.983	-0.1072866	-0.017900	-0.0047
7212 2 82738		126.74	-24.560	95.385	-0.1163833	-0.020192	
7212 2 828 8	-0.1223	128.16	-24.182	93.798	-0.1253154	-0.018483	0.0030
7212 2 829 8	-0.1384	130.98	-23.378	90.661	-0.1384293	-0.008452	0.0000
7212 2 82938		132.38	-22.953	89.110	-0.1484947	-0.000128	
7212 2 830 8	-0.1396	133.77	-22.515	87.572	-0.1377724	0.013233	-0.0018
7212 2 83038		135.15	-22.063	86.045	-0.1270629	0.034469	
7212 2 831 8	-0.1055	136.51	-21.597	84.531	-0.1068527	0.049811	0.0014
7212 2 832 8	-0.0677	139.21	-20.628	81.538	-0.0678664	0.021525	0.0002
7212 2 83238		140.53	-20.125	80.060	-0.0672436	-0.022103	
7212 2 833 8	-0.0873	141.85	-19.611	78.553	-0.0861471	-0.051899	-0.0012
7212 2 83338		143.14	-19.086	77.137	-0.1078829	-0.034373	
7212 2 834 8	-0.1131	144.42	-18.551	75.693	-0.1143109	0.006383	0.0012
7212 2 835 8	-0.0726	146.93	-17.450	72.837	-0.0717129	0.085309	-0.0009
7212 2 83538		148.16	-16.885	71.425	-0.0234833	0.123478	
7212 2 836 8	0.0413	149.37	-16.312	70.023	0.0405227	0.150086	0.0008

7212 2 83638		150.55	-15.730	68.631	0.1116749	0.154435	
7212 2 837 8	0.1798	151.72	-15.140	67.249	0.1804550	0.141453	-0.0012
7212 2 838 8	0.2875	153.98	-13.938	64.513	0.2857192	0.078281	0.0018
7212 2 83838		155.08	-13.327	63.158	0.3107511	0.028090	
7212 2 839 8	0.3086	156.15	-12.709	61.811	0.3103079	-0.030965	-0.0017
7212 2 83938		157.20	-12.086	60.472	0.2814629	-0.094946	
7212 2 840 8	0.2244	158.23	-11.456	59.142	0.2244226	-0.147433	0.0000
7212 2 841 8	0.0727	160.20	-10.182	56.582	0.0703284	-0.167458	0.0024
7212 2 84138		161.14	-9.538	55.192	-0.0005794	-0.134996	
7212 2 842 8	-0.0546	162.06	-8.890	53.888	-0.0521698	-0.088553	-0.0024
7212 2 843 8	-0.0520	163.81	-7.582	51.297	-0.0914350	0.003268	
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7212 2 845 8		166.96	-4.931	46.174	0.0296751	0.099096	0.0011
7212 2 84538	0.1137	167.67	-4.263	44.903	0.0751395	0.096056	
7212 2 846 8		168.35	-3.593	43.635	0.1167811	0.082696	-0.0031
7212 2 84638	0.1730	168.99	-2.922	42.370	0.1499839	0.059499	
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7212 2 848 8		170.74	-0.903	38.587	0.1675835	-0.038702	0.0000
7212 2 84838	0.0955	171.25	-0.230	37.329	0.1408564	-0.077593	
7212 2 849 8		171.74	0.443	36.072	0.0970440	-0.109293	-0.0015
7212 2 84938	-0.0133	172.18	1.115	34.815	0.0426263	-0.123535	
7212 2 850 8	-0.1255	172.60	1.787	33.558	-0.0150893	-0.125210	0.0018
7212 2 851 8		173.33	3.126	31.842	-0.1239840	-0.105539	-0.0015
7212 2 85138		173.64	3.794	29.783	-0.1680771	-0.084193	
7212 2 852 8	-0.1908	173.91	4.459	28.522	-0.1990600	-0.050731	0.0011
7212 2 85238		174.15	5.122	27.259	-0.2123722	-0.000712	
7212 2 853 8	-0.2008	174.36	5.782	25.994	-0.2007549	0.047765	0.0000
7212 2 854 8	-0.1344	174.67	7.094	23.455	-0.1330449	0.085801	-0.0014
7212 2 85438		174.76	7.743	22.181	-0.0950868	0.075360	
7212 2 855 8	-0.0636	174.83	8.391	20.993	-0.0654857	0.051758	0.0019
7212 2 85538	-0.0460	174.86	9.034	19.621	-0.0483235	0.021475	
7212 2 856 8	-0.0697	174.85	9.673	18.334	-0.0456141	-0.007233	-0.0006
7212 2 857 8		174.73	10.935	15.745	-0.0680094	-0.035154	-0.0017
7212 2 85738		174.61	11.558	14.442	-0.0844359	-0.034367	
7212 2 858 8	-0.0966	174.47	12.175	13.134	-0.0994827	-0.031892	0.0029
7212 2 85838		174.28	12.786	11.819	-0.1148768	-0.035872	
7212 2 859 8	-0.1349	174.06	13.391	10.498	-0.1329380	-0.042015	-0.0020
7212 2 9 0 8	-0.1751	173.52	14.581	7.834	-0.1751119	-0.047915	0.0000
7212 2 9 038		173.19	15.165	6.491	-0.1972590	-0.047672	
7212 2 9 1 8	-0.2187	172.83	15.741	5.140	-0.2195259	-0.050001	0.0008
7212 2 9 138		172.43	16.309	3.781	-0.2445472	-0.059603	
7212 2 9 2 8	-0.2746	172.01	16.868	2.423	-0.2752663	-0.073706	0.0007
7212 2 9 3 8	-0.3619	171.05	17.961	-0.348	-0.3585275	-0.107816	-0.0034
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7212 2 9 6 8	-0.7110	167.38	20.997	-8.858	-0.7112771	-0.062764	0.0003
7212 2 9 638		166.66	21.464	-10.312	-0.7251927	0.005788	
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7212 2 9 738		165.12	22.361	-13.249	-0.6451142	0.170124	
7212 2 9 8 8	-0.5495	164.31	22.790	-14.734	-0.5477048	0.249788	-0.0018
7212 2 9 9 8	-0.2556	162.59	23.607	-17.734	-0.2568530	0.371935	0.0013
7212 2 9 938		161.69	23.995	-19.250	-0.0748546	0.414417	
7212 2 910 8	0.1213	160.76	24.368	-20.776	0.1219577	0.431989	-0.0007
7212 2 91038		159.80	24.727	-22.313	0.3181687	0.411812	
7212 2 911 8	0.4982	158.82	25.070	-23.860	0.4984344	0.367187	-0.0002
7212 2 912 8	0.7853	156.78	25.708	-26.984	0.7839181	0.243524	0.0014
7212 2 91238		155.72	26.003	-28.561	0.8785459	0.164487	
7212 2 913 8	0.9334	154.64	26.281	-30.147	0.9351870	0.081471	-0.0018
7212 2 91338		153.53	26.542	-31.742	0.9543126	0.001966	
7212 2 914 8	0.9395	152.40	26.786	-33.346	0.9388832	-0.065318	0.0006
7212 2 915 8	0.8404	150.07	27.219	-36.580	0.8388882	-0.137102	0.0014
7212 2 91538		148.87	27.408	-38.209	0.7738473	-0.141600	
7212 2 916 8	0.7068	147.66	27.579	-39.845	0.7095001	-0.137910	-0.0027
7212 2 91638		146.43	27.730	-41.488	0.6458060	-0.138771	

7212 2 917 8	0.5832	145.18	27.863	-43.137	0.5804772	-0.145396	0.0027
7212 2 918 8	0.4304	142.62	28.069	-46.454	0.4325909	-0.179577	-0.0022
7212 2 91838		141.31	28.143	-48.120	0.3435912	-0.207133	
7212 2 919 8	0.2441	140.00	28.196	-49.790	0.2427062	-0.225763	0.0014
7212 2 91938		138.66	28.229	-51.464	0.1389508	-0.219567	
7212 2 920 8	0.0421	137.32	28.243	-53.140	0.0418097	-0.201300	0.0003
7212 2 921 8	-0.1309	134.59	28.208	-56.501	-0.1283073	-0.167600	-0.0026
7212 2 92138		133.20	28.159	-58.184	-0.2020884	-0.152100	
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7212 2 92238		130.41	28.001	-61.550	-0.3209213	-0.097003	
7212 2 923 8	-0.3577	129.00	27.891	-63.233	-0.3568463	-0.059423	-0.0009
7212 2 924 8	-0.3856	126.17	27.610	-66.594	-0.3821795	0.001355	-0.0034
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7212 2 925 8	-0.3541	123.31	27.248	-69.946	-0.3593889	0.048527	0.0053
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7212 2 926 8	-0.2898	120.43	26.805	-73.284	-0.2876121	0.102486	-0.0022
7212 2 927 8	-0.1959	117.55	26.283	-76.603	-0.1923941	0.090612	-0.0035
7212 2 92738		116.11	25.993	-78.256	-0.1579989	0.055102	
7212 2 928 8	-0.1347	114.68	25.684	-79.902	-0.1413605	0.020597	0.0067
7212 2 92838		113.23	25.357	-81.542	-0.1356370	0.007819	
7212 2 929 8	-0.1373	111.81	25.010	-83.175	-0.1323137	0.006915	-0.0050
7212 2 930 8	-0.1236	108.96	24.263	-86.421	-0.1245868	0.011169	0.0010
7212 2 93038		107.54	23.863	-88.034	-0.1183172	0.016328	
7212 2 931 8	-0.1093	106.14	23.446	-89.638	-0.1108916	0.012512	0.0016
7212 2 93138		104.73	23.012	-91.234	-0.1098368	-0.011271	
7212 2 932 8	-0.1237	103.35	22.561	-92.822	-0.1219839	-0.039506	-0.0017
7212 2 933 8	-0.1718	100.60	21.612	-95.975	-0.1726142	-0.062783	0.0008
7212 2 93338		99.24	21.114	-97.539	-0.2008808	-0.057824	
7212 2 934 8	-0.2234	97.91	20.602	-99.094	-0.2232195	-0.034754	-0.0002
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DTEIT = 0.2000000
CONFAC = 1.083000
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7212 2 818 0	-0.1540	100.59	-27.552	103.857	-0.1540067	0.092702	0.0000
7212 2 819 0	-0.1482	103.48	-27.210	100.420	-0.1480179	-0.049365	-0.0002
7212 2 81930		104.94	-27.008	98.714	-0.1731869	-0.052076	
7212 2 820 0	-0.1916	106.40	-26.786	97.017	-0.1924215	-0.030867	0.0008
7212 2 821 0	-0.2006	109.36	-26.283	93.653	-0.1988692	0.018429	-0.0017
7212 2 82130		110.85	-26.003	91.986	-0.1839657	0.046515	
7212 2 822 0	-0.1537	112.35	-25.705	90.330	-0.1552908	0.078683	0.0016
7212 2 82230		113.85	-25.389	88.685	-0.1104092	0.116723	
7212 2 823 0	-0.0485	115.35	-25.056	87.052	-0.0495625	0.141450	0.0011
7212 2 824 0	0.0637	118.36	-24.338	83.821	0.0688720	0.093415	-0.0052
7212 2 82430		119.86	-23.954	82.223	0.0964542	0.020654	

7212 2 825 0	0.0954	121.37	-23.555	80.638	0.0885349	-0.048263	0.0069
7212 2 82530		122.87	-23.141	79.065	0.0580736	-0.076998	
7212 2 826 0	0.0183	124.37	-22.712	77.504	0.0218225	-0.077242	-0.0035
7212 2 827 0	-0.0341	127.35	-21.811	74.419	-0.0316290	-0.027335	-0.0025
7212 2 82730		128.83	-21.341	72.895	-0.0333187	0.022815	
7212 2 828 0	-0.0040	130.31	-20.858	71.384	-0.0096148	0.079122	0.0056
7212 2 82830		131.77	-20.362	69.885	0.0390491	0.130942	
7212 2 829 0	0.1055	133.23	-19.855	68.397	0.1087008	0.165924	-0.0032
7212 2 830 0	0.2608	136.12	-18.807	65.458	0.2627620	0.148312	-0.0020
7212 2 83030		137.54	-18.267	64.005	0.3202175	0.095720	
7212 2 831 0	0.3546	138.95	-17.717	62.564	0.3194437	0.032067	0.0052
7212 2 83130		140.35	-17.157	61.134	0.3509157	-0.024512	
7212 2 832 0	0.3239	141.74	-16.589	59.714	0.3287420	-0.068539	-0.0048
7212 2 833 0	0.2472	144.46	-15.426	56.907	0.2442278	-0.102497	0.0030
7212 2 83330		145.79	-14.833	55.518	0.1985374	-0.092428	
7212 2 834 0	0.1587	147.11	-14.232	54.138	0.1602006	-0.073799	-0.0015
7212 2 83430		148.40	-13.625	52.768	0.1302541	-0.056081	
7212 2 835 0	0.1083	149.68	-13.010	51.407	0.1078026	-0.042353	0.0005
7212 2 836 0	0.0742	152.17	-11.764	48.709	0.0737369	-0.036147	0.0005
7212 2 83630		153.38	-11.132	47.373	0.0555871	-0.043658	
7212 2 837 0	0.0327	154.57	-10.496	46.043	0.0367748	-0.049545	-0.0010
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7212 2 839 0	-0.0307	159.09	-7.906	40.794	-0.0307413	-0.015537	0.0003
7212 2 83930		160.15	-7.250	39.496	-0.0355681	-0.005345	
7212 2 840 0	-0.0366	161.19	-6.591	38.204	-0.0361515	-0.001762	-0.0004
7212 2 84030		162.20	-5.929	36.917	-0.0349167	0.002531	
7212 2 841 0	-0.0335	163.18	-5.265	35.633	-0.0337922	0.003445	0.0003
7212 2 842 0	-0.0225	165.06	-3.931	33.079	-0.0226256	0.025161	0.0001
7212 2 84230		165.95	-3.263	31.807	-0.0064626	0.045962	
7212 2 843 0	0.0190	166.81	-2.593	30.538	0.0193136	0.063512	-0.0003
7212 2 84330		167.64	-1.922	29.271	0.0501608	0.067930	
7212 2 844 0	0.0810	168.45	-1.251	28.006	0.0809786	0.065469	0.0000
7212 2 845 0	0.1390	169.95	0.090	25.481	0.1384842	0.058672	0.0005
7212 2 84530		170.65	0.760	24.220	0.1645949	0.054336	
7212 2 846 0	0.1871	171.32	1.430	22.960	0.1878129	0.044524	-0.0007
7212 2 84630		171.96	2.098	21.700	0.2041180	0.024388	
7212 2 847 0	0.2093	172.56	2.764	20.439	0.2091199	-0.003625	0.0003
7212 2 848 0	0.1748	173.66	4.092	17.916	0.1740559	-0.075944	0.0007
7212 2 84830		174.16	4.753	16.652	0.1289759	-0.120248	
7212 2 849 0	0.0637	174.62	5.411	15.387	0.0649169	-0.152249	-0.0012
7212 2 84930		175.04	6.066	14.119	-0.0069821	-0.154211	
7212 2 850 0	-0.0742	175.44	6.718	12.849	-0.0750019	-0.140099	0.0008
7212 2 851 0	-0.1890	176.11	8.011	10.300	-0.1890587	-0.105541	0.0001
7212 2 85130		176.39	8.651	9.020	-0.2331469	-0.085097	
7212 2 852 0	-0.2688	176.64	9.287	7.737	-0.2681680	-0.068124	-0.0006
7212 2 85230		176.85	9.919	6.449	-0.2974432	-0.060205	
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7212 2 854 0	-0.3792	177.26	11.781	2.555	-0.3785629	-0.060383	-0.0006
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7212 2 916 0	-0.3842	147.50	28.068	-62.989	-0.3810126	-0.025248	-0.0032
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7212 2 925 0	-0.1133	121.82	25.216	-92.731	-0.1114160	-0.044063	-0.0019
7212 2 92530		120.30	24.875	-94.349	-0.1327167	-0.046123	
7212 2 926 0	-0.1507	118.81	24.517	-95.959	-0.1524711	-0.038220	0.0018
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7212 2 81059	-0.1257	82.76	-27.893	101.796	-0.1256696	0.027955	0.0000	
7212 2 81159	-0.1565	85.51	-27.830	98.255	-0.1573203	-0.068751	0.0008	

7212 2 81229		86.92	-27.765	96.491	-0.1874073	-0.054646	
7212 2 81259	-0.2078	88.35	-27.678	94.732	-0.2040954	-0.016609	-0.0037
7212 2 81359	-0.1697	91.27	-27.439	91.232	-0.1776028	0.078143	0.0079
7212 2 81429		92.76	-27.288	89.493	-0.1286734	0.134857	
7212 2 81459	-0.0648	94.27	-27.115	87.761	-0.0552701	0.177346	-0.0095
7212 2 81529		95.80	-26.922	86.038	0.0297441	0.185156	
7212 2 81559	0.1168	97.34	-26.708	84.324	0.1110527	0.162796	0.0057
7212 2 81659	0.2140	100.47	-26.221	80.926	0.2130814	0.041090	0.0009
7212 2 81729		102.05	-25.948	79.242	0.2101062	-0.058256	
7212 2 81759	0.1576	103.64	-25.657	77.569	0.1621455	-0.139048	-0.0045
7212 2 81829		105.24	-25.347	75.908	0.0913741	-0.157071	
7212 2 81859	0.0256	106.86	-25.020	74.258	0.0232449	-0.135241	0.0024
7212 2 81959	-0.0606	110.10	-24.313	70.993	-0.0632294	-0.040771	0.0026
7212 2 82029		111.73	-23.935	69.380	-0.0659356	0.031870	
7212 2 82059	-0.0403	113.37	-23.541	67.778	-0.0352567	0.095056	-0.0050
7212 2 82129		115.01	-23.131	66.189	0.0163191	0.122396	
7212 2 82159	0.0758	116.65	-22.706	64.613	0.0735727	0.122535	0.0022
7212 2 82259	0.1701	119.93	-21.814	61.499	0.1668595	0.067155	0.0032
7212 2 82329		121.57	-21.348	59.960	0.1857616	0.011636	
7212 2 82359	0.1723	123.21	-20.868	58.435	0.1784046	-0.038681	-0.0061
7212 2 82429		124.84	-20.376	56.921	0.1545016	-0.060041	
7212 2 82459	0.1293	126.47	-19.872	55.420	0.1254362	-0.065345	0.0039
7212 2 82559	0.0645	129.71	-18.830	52.455	0.0635979	-0.066494	0.0009
7212 2 82629		131.32	-18.293	50.990	0.0337368	-0.062339	
7212 2 82659	0.0006	132.92	-17.746	49.536	0.0043664	-0.069037	-0.0038
7212 2 82729		134.51	-17.190	48.094	-0.0338351	-0.100595	
7212 2 82759	-0.0866	136.09	-16.624	46.663	-0.0897639	-0.140240	0.0032
7212 2 82859	-0.2475	139.20	-15.466	43.834	-0.2465033	-0.193465	-0.0010
7212 2 82929		140.74	-14.876	42.434	-0.3392917	-0.207046	
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7212 2 83029		143.77	-13.673	39.665	-0.4899757	-0.066244	
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7212 2 83159	-0.3311	148.18	-11.820	35.580	-0.3330753	0.247276	0.0020
7212 2 83229		149.61	-11.191	34.235	-0.2076348	0.291073	
7212 2 83259	-0.0717	151.02	-10.557	32.898	-0.0691981	0.303106	-0.0025
7212 2 83329		152.41	-9.918	31.568	0.0671356	0.281963	
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7212 2 83529		157.73	-7.326	26.317	0.4915815	0.201047	
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7212 2 83629		160.24	-6.011	23.727	0.6467163	0.104667	
7212 2 83659	0.6763	161.46	-5.350	22.439	0.6747090	0.019387	0.0016
7212 2 83759	0.6337	163.80	-4.024	19.876	0.6319026	-0.100944	0.0018
7212 2 83829		164.92	-3.358	18.600	0.5765631	-0.135996	
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7212 2 83929		167.09	-2.026	16.057	0.4328811	-0.168150	
7212 2 83959	0.3572	168.12	-1.359	14.789	0.3537779	-0.174975	0.0034
7212 2 84059	0.1811	170.10	-0.025	12.260	0.1829994	-0.196733	-0.0019
7212 2 84129		171.03	0.641	10.998	0.0888287	-0.211665	
7212 2 84159	-0.0099	171.94	1.305	9.736	-0.0107332	-0.215481	0.0008
7212 2 84229		172.80	1.969	8.475	-0.1063010	-0.194362	
7212 2 84259	-0.1891	173.64	2.631	7.214	-0.1886063	-0.162889	-0.0005
7212 2 84359	-0.3141	175.20	3.950	4.691	-0.3145023	-0.112619	0.0004
7212 2 84429		175.93	4.605	3.428	-0.3619948	-0.093823	
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7212 2 84529		177.27	5.909	0.898	-0.4439770	-0.095397	
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7212 2 84729		179.51	8.473	-4.191	-0.5965242	-0.020504	
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7212 2 85429		182.39	16.762	-22.588	0.0452884	0.109341	
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7212 2 85629		181.77	18.851	-28.092	0.2663815	0.112417	
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GM = 4902.780,
ERAD = 404745.5,
ELAT = 3.542105, 2*0.0000000E+00,

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ELON = 3.751129, 2*0.0000000E+00,
ROTR = 8.9440001E-03,
DIFIT = 0.2000000,
CONFAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
7212 2 8 359	0.0828	69.41	-27.580	101.003	0.0827863	-0.118287	0.0000
7212 2 8 459	0.0074	71.74	-27.815	97.424	0.0077688	-0.053773	-0.0004
7212 2 8 529		72.96	-27.899	95.633	-0.0140329	-0.043054	
7212 2 8 559	-0.0296	74.21	-27.959	93.841	-0.0312642	-0.027645	0.0017
7212 2 8 659	-0.0205	76.80	-28.010	90.263	-0.0169806	0.074415	-0.0035
7212 2 8 729		78.15	-28.000	88.476	0.0364730	0.161077	
7212 2 8 759	0.1310	79.52	-27.968	86.694	0.1274591	0.219888	0.0035
7212 2 8 829		80.92	-27.914	84.915	0.2272881	0.199277	
7212 2 8 859	0.3053	82.35	-27.836	83.142	0.3045757	0.132880	0.0007
7212 2 8 959	0.3495	85.28	-27.615	79.612	0.3568594	-0.027406	-0.0074
7212 2 81029		86.78	-27.471	77.857	0.3224568	-0.123301	
7212 2 81059	0.2560	88.30	-27.306	76.111	0.2476255	-0.189236	0.0084
7212 2 81129		89.85	-27.120	74.373	0.1585000	-0.185131	
7212 2 81159	0.0832	91.41	-26.913	72.643	0.0821121	-0.145732	0.0011
7212 2 81259	-0.0244	94.60	-26.437	69.214	-0.0154831	-0.065299	-0.0089
7212 2 81359		97.85	-25.884	65.827	-0.0378085	0.017306	
7212 2 81459	0.0118	101.15	-25.255	62.486	-0.0033358	0.035558	0.0151
7212 2 81529		102.83	-24.913	60.833	0.0051175	-0.004397	
7212 2 81559	-0.0234	104.51	-24.554	59.193	0.0082251	-0.049766	-0.0152
7212 2 81659	-0.0706	107.90	-23.787	55.950	-0.0725114	-0.074896	0.0019
7212 2 81729		109.60	-23.379	54.347	-0.1032606	-0.054647	
7212 2 81759	-0.1155	111.32	-22.956	52.758	-0.1227811	-0.033156	0.0073
7212 2 81829		113.03	-22.518	51.181	-0.1368576	-0.031048	
7212 2 81859	-0.1597	114.75	-22.066	49.618	-0.1544140	-0.048208	-0.0053
7212 2 81959	-0.2372	118.19	-21.120	46.530	-0.2354071	-0.139993	-0.0018
7212 2 82029		119.92	-20.628	45.005	-0.3165410	-0.214629	
7212 2 82059	-0.4254	121.64	-20.124	43.493	-0.4309676	-0.272279	0.0056
7212 2 82129		123.35	-19.607	41.993	-0.5597846	-0.276835	
7212 2 82159	-0.6814	125.07	-19.080	40.506	-0.6786507	-0.229814	-0.0027
7212 2 82259	-0.7968	128.48	-17.993	37.569	-0.7934998	0.014426	-0.0033
7212 2 82329		130.17	-17.435	36.117	-0.7432283	0.211669	
7212 2 82359	-0.5941	131.86	-16.867	34.678	-0.6006150	0.392362	0.0065
7212 2 82429		133.53	-16.291	33.249	-0.3937070	0.490003	
7212 2 82459	-0.1628	135.20	-15.706	31.832	-0.1586208	0.519735	-0.0042
7212 2 82559	0.2911	138.49	-14.513	29.029	0.2919754	0.421127	-0.0009
7212 2 82629		140.12	-13.905	27.642	0.4588177	0.292761	
7212 2 82659	0.5660	141.73	-13.291	26.265	0.5623214	0.164468	0.0037
7212 2 82729		143.33	-12.670	24.898	0.6187931	0.088938	
7212 2 82759	0.6471	144.91	-12.044	23.539	0.6492608	0.044686	-0.0022
7212 2 82859	0.6587	148.01	-10.776	20.847	0.6601388	-0.014636	-0.0014
7212 2 82929		149.53	-10.134	19.513	0.6495281	-0.029701	
7212 2 82959	0.6367	151.03	-9.488	18.186	0.6329793	-0.043046	0.0037
7212 2 83029		152.51	-8.839	16.867	0.6088096	-0.062695	
7212 2 83059	0.5713	153.97	-8.186	15.554	0.5749897	-0.083003	-0.0037
7212 2 83159	0.4876	156.81	-6.870	12.947	0.4849493	-0.108710	0.0027
7212 2 83229		158.19	-6.208	11.652	0.4333164	-0.114107	
7212 2 83259	0.3773	159.55	-5.544	10.362	0.3788501	-0.124297	-0.0016
7212 2 83329		160.87	-4.879	9.076	0.3163026	-0.149054	
7212 2 83359	0.2409	162.18	-4.212	7.795	0.2409469	-0.175597	0.0000
7212 2 83459	0.0682	164.69	-2.874	5.244	0.0661251	-0.195745	0.0021
7212 2 83529		165.90	-2.204	3.974	-0.0232028	-0.189345	
7212 2 83559	-0.1105	167.09	-1.534	2.706	-0.1079779	-0.178190	-0.0025
7212 2 83629		168.24	-0.864	1.441	-0.1879610	-0.168500	
7212 2 83659	-0.2631	169.36	-0.195	0.177	-0.2634328	-0.157953	0.0003
7212 2 83759	-0.3949	171.49	-1.142	-2.346	-0.3961080	-0.127297	0.0012
7212 2 83929		174.44	3.137	-6.125	-0.5273349	-0.057406	
7212 2 84059	-0.5478	177.06	5.112	-9.907	-0.5451423	0.034127	-0.0027
7212 2 84129		177.86	5.765	-11.171	-0.5216520	0.067891	
7212 2 84159	-0.4797	178.63	6.415	-12.436	-0.4832975	0.096193	0.0036

7212 2 84259	-0.3835	180.04	7.703	-14.973	-0.3818437	0.115200	-0.0017
7212 2 84329		180.69	8.341	-16.246	-0.3303167	0.105899	
7212 2 84359	-0.2849	181.29	8.974	-17.522	-0.2848384	0.091540	-0.0001
7212 2 84429		181.86	9.603	-18.802	-0.2454225	0.079592	
7212 2 84459	-0.2106	182.39	10.227	-20.086	-0.2108108	0.071118	0.0002
7212 2 84559	-0.1478	183.33	11.458	-22.667	-0.1480948	0.067742	0.0003
7212 2 84629		183.73	12.064	-23.965	-0.1158121	0.072644	
7212 2 84659	-0.0810	184.10	12.665	-25.268	-0.0803960	0.080792	-0.0006
7212 2 84729		184.42	13.259	-26.577	-0.0410304	0.089914	
7212 2 84759	0.0028	184.70	13.846	-27.892	-0.0022794	0.096780	0.0305
7212 2 84859	0.0916	185.14	14.999	-30.541	0.0918634	0.093472	-0.0003
7212 2 84929		185.30	15.563	-31.875	0.1328919	0.083295	
7212 2 84959	0.1683	185.41	16.120	-33.216	0.1680426	0.068355	0.0003
7212 2 85029		185.48	16.668	-34.565	0.1954137	0.049560	
7212 2 85059	0.2130	185.52	17.208	-35.922	0.2138477	0.031036	-0.0008
7212 2 85159	0.2319	185.45	18.259	-38.658	0.2301211	0.007135	0.0018
7212 2 85229		185.35	18.771	-40.039	0.2320061	0.001760	
7212 2 85259	0.2302	185.22	19.272	-41.428	0.2323963	0.000606	-0.0022
7212 2 85329		185.03	19.763	-42.825	0.2331891	0.003504	
7212 2 85359	0.2368	184.82	20.243	-44.232	0.2352365	0.003834	0.0016
7212 2 85459	0.2288	184.25	21.169	-47.071	0.2291788	-0.023083	-0.0004
7212 2 85529		183.90	21.615	-48.505	0.2125825	-0.050335	
7212 2 85559	0.1821	183.51	22.049	-49.948	0.1825588	-0.078527	-0.0005
7212 2 85629		183.08	22.470	-51.400	0.1411939	-0.099427	
7212 2 85659	0.0927	182.62	22.878	-52.862	0.0919151	-0.112777	0.0008
7212 2 85759	-0.0171	181.56	23.655	-55.813	-0.0161574	-0.116115	-0.0009
7212 2 85829		180.96	24.023	-57.303	-0.0677592	-0.106098	
7212 2 85859	-0.1123	180.34	24.377	-58.802	-0.1132637	-0.090482	0.0010
7212 2 85929		179.67	24.716	-60.310	-0.1507796	-0.071448	
7212 2 85959	-0.1797	178.96	25.040	-61.827	-0.1790051	-0.050905	-0.0007
7212 2 9 059	-0.2072	177.43	25.643	-64.889	-0.2074585	-0.010985	0.0003
7212 2 9 129		176.61	25.921	-66.433	-0.2080422	0.008392	
7212 2 9 159	-0.1996	175.75	26.183	-67.985	-0.1996472	0.028185	0.0000
7212 2 9 229		174.85	26.428	-69.546	-0.1818259	0.049213	
7212 2 9 259	-0.1548	173.92	26.657	-71.114	-0.1546392	0.067435	-0.0002
7212 2 9 359	-0.0827	171.95	27.063	-74.273	-0.0829093	0.083374	0.0002
7212 2 9 429		170.92	27.240	-75.863	-0.0446768	0.081089	
7212 2 9 459	-0.0096	169.85	27.399	-77.460	-0.0094003	0.069928	-0.0002
7212 2 9 529		168.74	27.540	-79.063	0.0182104	0.047847	
7212 2 9 559	0.0346	167.61	27.663	-80.671	0.0345410	0.024204	0.0001
7212 2 9 659	0.0436	165.24	27.854	-83.904	0.0434433	0.000270	0.0002
7212 2 9 729		164.01	27.922	-85.527	0.0432019	-0.000017	
7212 2 9 759	0.0424	162.75	27.970	-87.154	0.0426154	-0.005579	-0.0002
7212 2 9 829		161.46	27.999	-88.784	0.0352258	-0.029486	
7212 2 9 859	0.0151	160.15	28.010	-90.417	0.0151723	-0.054816	-0.0001
7212 2 9 959	-0.0416	157.13	27.972	-93.690	-0.0421517	-0.059023	0.0006
7212 2 91029		156.03	27.925	-95.328	-0.0651227	-0.037893	
7212 2 91059	-0.0769	154.61	27.858	-96.967	-0.0760862	-0.009897	-0.0008
7212 2 91129		153.17	27.772	-98.607	-0.0745267	0.016361	
7212 2 91159	-0.0607	151.70	27.666	-100.245	-0.0613624	0.040140	0.0007
7212 2 91259	-0.0061	148.70	27.396	-103.520	-0.0057898	0.078095	-0.0003
7212 2 91329		147.16	27.233	-105.155	0.0336652	0.092269	
7212 2 91359	0.0807	145.61	27.050	-106.787	0.0806313	0.114400	0.0001
7212 2 91459	0.2273	142.45	26.628	-110.042	0.2273026	0.216041	0.0000

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7212 2 75731	0.0912	62.99	-26.624	98.746	0.0912025	-0.198028	0.0000
7212 2 75831	-0.0233	64.86	-27.121	95.200	-0.0233681	-0.059422	0.0001
7212 2 759 1		65.86	-27.336	93.419	-0.0390936	-0.011016	
7212 2 75931	-0.0343	66.90	-27.528	91.634	-0.0339914	0.034477	-0.0003
7212 2 8 031	0.0493	69.08	-27.844	88.052	0.0486161	0.149873	0.0007
7212 2 8 1 3		70.23	-27.967	86.258	0.1336447	0.219781	
7212 2 8 131	0.2421	71.41	-28.066	84.462	0.2435142	0.237478	-0.0014
7212 2 8 2 1		72.63	-28.142	82.665	0.3355971	0.142613	
7212 2 8 231	0.3726	73.88	-28.195	80.869	0.3693459	0.009658	0.0033
7212 2 8 331	0.2888	76.48	-28.231	77.281	0.2946175	-0.147299	-0.0058
7212 2 8 4 1		77.83	-28.214	75.491	0.2156686	-0.171283	
7212 2 8 431	0.1468	79.20	-28.173	73.704	0.1403756	-0.169836	0.0064
7212 2 8 5 1		80.61	-28.110	71.922	0.0650851	-0.153862	
7212 2 8 531	-0.0030	82.04	-28.024	70.145	-0.0003155	-0.128917	-0.0027
7212 2 8 631	-0.0961	84.97	-27.785	66.610	-0.0926256	-0.068743	-0.0035
7212 2 8 7 1		86.48	-27.633	64.853	-0.1163647	-0.033511	
7212 2 8 731	-0.1185	88.01	-27.458	63.105	-0.1251777	-0.008720	0.0067
7212 2 8 8 1		89.56	-27.263	61.365	-0.1281535	-0.008220	
7212 2 8 831	-0.1384	91.13	-27.046	59.634	-0.1342704	-0.017489	-0.0041
7212 2 8 931	-0.1551	94.32	-26.552	56.204	-0.1538515	-0.021751	-0.0012
7212 2 810 1		95.95	-26.275	54.504	-0.1629219	-0.016743	
7212 2 81031	-0.1642	97.58	-25.979	52.817	-0.1682810	-0.005034	0.0041
7212 2 811 1		99.24	-25.664	51.140	-0.1662368	0.015330	
7212 2 81131	-0.1568	100.90	-25.331	49.476	-0.1548869	0.030760	-0.0019
7212 2 81231	-0.1349	104.27	-24.611	46.185	-0.1321747	0.006094	-0.0027
7212 2 813 1		105.97	-24.226	44.559	-0.1379071	-0.034010	
7212 2 81331	-0.1599	107.67	-23.825	42.946	-0.1654543	-0.086329	0.0056
7212 2 814 1		109.39	-23.407	41.346	-0.2185407	-0.144603	
7212 2 81431	-0.3011	111.10	-22.975	39.758	-0.2959763	-0.183417	-0.0051
7212 2 81531	-0.4496	114.56	-22.066	36.624	-0.4528752	-0.126530	0.0033
7212 2 816 1		116.29	-21.590	35.076	-0.4909256	-0.030808	
7212 2 81631	-0.4832	118.01	-21.102	33.542	-0.4802302	0.072062	-0.0030
7212 2 817 1		119.74	-20.601	32.020	-0.4290717	0.144444	
7212 2 81731	-0.3456	121.47	-20.087	30.512	-0.3518513	0.184397	0.0063
7212 2 81831	-0.1932	124.92	-19.026	27.532	-0.1816587	0.161360	-0.0115
7212 2 819 1		126.64	-18.479	26.061	-0.1203785	0.098352	
7212 2 81931	-0.0735	128.35	-17.922	24.602	-0.0873611	0.057945	0.0139
7212 2 820 1		130.05	-17.355	23.155	-0.0546385	0.097047	
7212 2 82031	-0.0033	131.74	-16.779	21.720	0.0067690	0.165558	-0.0101
7212 2 82131	0.2037	135.11	-15.601	18.882	0.2006316	0.240563	0.0031
7212 2 822 1		136.77	-15.000	17.480	0.3140016	0.247048	
7212 2 82231	0.4273	138.42	-14.392	16.087	0.4259301	0.235231	0.0014
7212 2 823 1		140.05	-13.777	14.705	0.5287518	0.207483	
7212 2 82331	0.6148	141.68	-13.155	13.332	0.6162003	0.171196	-0.0014
7212 2 82431	0.7391	144.87	-11.894	10.615	0.7395131	0.095123	-0.0004
7212 2 825 1		146.44	-11.255	9.269	0.7742943	0.055336	
7212 2 82531	0.7910	147.99	-10.611	7.931	0.7900278	0.011756	0.0010
7212 2 826 1		149.52	-9.963	6.601	0.7841521	-0.038280	
7212 2 82631	0.7558	151.03	-9.310	5.279	0.7544746	-0.089684	0.0013
7212 2 82731	0.6230	153.99	-7.994	2.654	0.6281641	-0.181447	-0.0052
7212 2 828 1		155.43	-7.331	1.352	0.5349239	-0.221805	
7212 2 82831	0.4316	156.85	-6.666	0.055	0.4250138	-0.251420	0.0066
7212 2 829 1		158.24	-5.998	-1.236	0.3055072	-0.263254	

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7212 2 83031	-0.0567	162.25	-3.984	-5.082	-0.0530771	-0.245808	-0.0036
7212 2 831 1		163.54	-3.310	-6.356	-0.1627624	-0.228317	
7212 2 83131	-0.2564	164.79	-2.636	-7.626	-0.2630067	-0.205034	0.0066
7212 2 832 1		166.01	-1.961	-8.894	-0.3511936	-0.175985	
7212 2 83231	-0.4275	167.20	-1.285	-10.158	-0.4250291	-0.143831	-0.0025
7212 2 83331	-0.5330	169.49	0.064	-12.681	-0.5276377	-0.078107	-0.0054
7212 2 834 1		170.58	0.737	-13.941	-0.5559707	-0.044538	
7212 2 83431	-0.5585	171.64	1.410	-15.199	-0.5689435	-0.012128	0.0104
7212 2 835 1		172.67	2.081	-16.456	-0.5675924	0.017519	
7212 2 83531	-0.5643	173.66	2.750	-17.714	-0.5534081	0.043016	-0.0109
7212 2 83631	-0.4867	175.54	4.083	-20.229	-0.4960867	0.077464	0.0094
7212 2 837 1		176.42	4.745	-21.488	-0.4580401	0.086414	
7212 2 83731	-0.4229	177.27	5.405	-22.748	-0.4157457	0.098940	-0.0072
7212 2 838 1		178.08	6.061	-24.010	-0.3647289	0.124151	
7212 2 83831	-0.2987	178.85	6.714	-25.273	-0.3012114	0.148712	0.0025
7212 2 83931	-0.1524	180.28	8.009	-27.808	-0.1562662	0.155925	0.0039
7212 2 840 1		180.93	8.650	-29.080	-0.0877385	0.138571	
7212 2 84031	-0.0353	181.55	9.286	-30.356	-0.0282174	0.121841	-0.0071
7212 2 841 1		182.13	9.918	-31.635	0.0271045	0.120321	
7212 2 84131	0.0874	182.66	10.544	-32.918	0.0832536	0.121217	0.0041
7212 2 84231	0.1867	183.61	11.780	-35.499	0.1848232	0.091860	0.0019
7212 2 843 1		184.03	12.389	-36.797	0.2206524	0.061602	
7212 2 84331	0.2361	184.40	12.991	-38.100	0.2417797	0.031818	-0.0057
7212 2 844 1		184.73	13.587	-39.410	0.2517718	0.013349	
7212 2 84431	0.2612	185.02	14.176	-40.725	0.2555892	0.004512	0.0056
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7212 2 846 1		185.63	15.897	-44.711	0.2682119	0.025620	
7212 2 84631	0.2842	185.75	16.455	-46.053	0.2823827	0.031383	0.0018
7212 2 847 1		185.83	17.004	-47.404	0.2931328	0.010786	
7212 2 84731	0.2923	185.87	17.544	-48.762	0.2908151	-0.019749	0.0015
7212 2 84831	0.2455	185.82	18.595	-51.502	0.2513555	-0.061405	-0.0059
7212 2 849 1		185.72	19.107	-52.884	0.2201868	-0.072522	
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7212 2 850 1		185.42	20.099	-55.676	0.1417871	-0.101797	
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7212 2 85131	-0.0039	184.64	21.504	-59.930	-0.0106128	-0.094423	0.0067
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7212 2 85231	-0.0720	183.92	22.381	-62.813	-0.0671148	-0.032094	-0.0049
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7212 2 85331	-0.0962	183.03	23.207	-65.733	-0.0980310	-0.039432	0.0018
7212 2 85431	-0.1230	181.97	23.980	-68.692	-0.1252188	-0.009698	0.0022
7212 2 855 1		181.38	24.345	-70.185	-0.1217576	0.027131	
7212 2 85531	-0.1053	180.76	24.696	-71.688	-0.1009001	0.059218	-0.0044
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7212 2 9 431	-0.0584	163.19	28.204	-100.110	-0.0542058	0.066590	-0.0042
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7212 2 9 531	0.0300	160.58	28.230	-103.379	0.0271039	0.106813	0.0029
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7212 2 75031	0.1492	54.69	-24.319	98.401	0.1491687	-0.107006	0.0000
7212 2 75131	0.0758	55.83	-25.109	94.951	0.0766441	-0.051674	-0.0008
7212 2 752 1		56.46	-25.473	93.211	0.0584378	-0.027584	
7212 2 75231	0.0564	57.15	-25.817	91.463	0.0525903	0.005722	0.0038
7212 2 75331	0.1030	58.65	-26.442	87.941	0.1110773	0.134852	-0.0081
7212 2 754 1		59.47	-26.721	86.169	0.1946669	0.230687	
7212 2 75431	0.3227	60.33	-26.978	84.390	0.3140900	0.261618	0.0086
7212 2 755 1		61.24	-27.213	82.605	0.4130487	0.141905	
7212 2 75531	0.4368	62.19	-27.424	80.815	0.4373902	-0.028115	-0.0006
7212 2 75631	0.2960	64.21	-27.779	77.221	0.3082545	-0.218276	-0.0123
7212 2 757 1		65.29	-27.921	75.420	0.2009005	-0.238393	
7212 2 75731	0.1111	66.40	-28.040	73.616	0.0930317	-0.226668	0.0181
7212 2 758 1		67.55	-28.135	71.811	-0.0062845	-0.201233	
7212 2 75831	-0.1014	68.74	-28.206	70.006	-0.0918567	-0.169789	-0.0095
7212 2 75931	-0.2278	71.22	-28.278	66.397	-0.2213985	-0.111914	-0.0064
7212 2 8 0 1		72.52	-28.279	64.595	-0.2669066	-0.085482	
7212 2 8 031	-0.2849	73.84	-28.256	62.796	-0.3003114	-0.058921	0.0154
7212 2 8 1 1		75.21	-28.209	61.002	-0.3210087	-0.030404	
7212 2 8 131	-0.3404	76.60	-28.140	59.211	-0.3290313	-0.006070	-0.0114
7212 2 8 231	-0.3221	79.47	-27.933	55.648	-0.3232611	0.011701	0.0012
7212 2 8 3 1		80.95	-27.795	53.876	-0.3189780	0.005134	
7212 2 8 331	-0.3137	82.45	-27.636	52.113	-0.3181921	0.000699	0.0045
7212 2 8 4 1		83.99	-27.454	50.357	-0.3160909	0.010831	
7212 2 8 431	-0.3086	85.54	-27.251	48.611	-0.3072693	0.026961	-0.0013
7212 2 8 531	-0.2763	88.72	-26.783	45.147	-0.2702453	0.051521	-0.0061
7212 2 8 6 1		90.34	-26.518	43.432	-0.2444112	0.059951	
7212 2 8 631	-0.2089	91.98	-26.233	41.727	-0.2188600	0.042578	0.0100
7212 2 8 7 1		93.65	-25.929	40.034	-0.2126483	-0.023848	
7212 2 8 731	-0.2491	95.32	-25.606	38.353	-0.2420929	-0.098191	-0.0070
7212 2 8 831	-0.3650	98.72	-24.906	35.029	-0.3656639	-0.147339	0.0007
7212 2 8 9 1		100.44	-24.529	33.386	-0.4291521	-0.122127	
7212 2 8 931	-0.4732	102.18	-24.136	31.755	-0.4765209	-0.084486	0.0033
7212 2 810 1		103.92	-23.727	30.139	-0.5084398	-0.055157	
7212 2 81031	-0.5299	105.67	-23.301	28.535	-0.5267403	-0.021198	-0.0032
7212 2 81131	-0.4948	109.21	-22.405	25.368	-0.4959963	0.099521	0.0012
7212 2 812 1		110.98	-21.936	23.805	-0.4306887	0.186290	
7212 2 81231	-0.3238	112.76	-21.453	22.255	-0.3241500	0.272019	0.0003
7212 2 813 1		114.54	-20.956	20.719	-0.1835310	0.338125	
7212 2 81331	-0.0174	116.33	-20.447	19.196	-0.0160098	0.377802	-0.0014
7212 2 81431	0.3361	119.90	-19.394	16.188	0.3337247	0.357595	0.0024
7212 2 815 1		121.68	-18.850	14.703	0.4862876	0.297694	
7212 2 81531	0.6054	123.46	-18.296	13.231	0.6082520	0.235475	-0.0029
7212 2 816 1		125.24	-17.732	11.771	0.7081013	0.201776	
7212 2 81631	0.7985	127.01	-17.158	10.323	0.7961436	0.178327	0.0024

7212 2 81731	0.9291	130.53	-15.984	7.461	0.9304744	0.107264	-0.0014
7212 2 818 1		132.28	-15.384	6.047	0.9693187	0.059646	
7212 2 81831	0.9852	134.02	-14.777	4.644	0.9843061	0.003924	0.0009
7212 2 819 1		135.75	-14.163	3.252	0.9716763	-0.059993	
7212 2 81931	0.9273	137.46	-13.542	1.869	0.9287229	-0.125164	-0.0014
7212 2 82031	0.7615	140.85	-12.280	-0.868	0.7590443	-0.002598	0.0025
7212 2 821 1		142.52	-11.641	-2.222	0.6375160	-0.286806	
7212 2 82131	0.4933	144.18	-10.997	-3.569	0.4961662	-0.322174	-0.0029
7212 2 822 1		145.81	-10.348	-4.906	0.3431426	-0.337271	
7212 2 82231	0.1890	147.43	-9.695	-6.236	0.1870435	-0.337423	0.0020
7212 2 82331	-0.1146	150.61	-8.377	-8.875	-0.1142560	-0.308752	-0.0003
7212 2 824 1		152.17	-7.714	-10.184	-0.2505344	-0.279924	
7212 2 82431	-0.3730	153.70	-7.047	-11.486	-0.3724334	-0.249174	-0.0006
7212 2 825 1		155.21	-6.378	-12.783	-0.4815018	-0.224220	
7212 2 82531	-0.5794	156.70	-5.706	-14.075	-0.5795606	-0.199847	0.0002
7212 2 82631	-0.7357	159.60	-4.358	-16.643	-0.7365677	-0.137127	0.0009
7212 2 827 1		161.00	-3.683	-17.921	-0.7912102	-0.098779	
7212 2 82731	-0.8290	162.38	-3.006	-19.195	-0.8275478	-0.058925	-0.0015
7212 2 828 1		163.73	-2.329	-20.465	-0.8458651	-0.020687	
7212 2 82831	-0.8455	165.05	-1.652	-21.733	-0.8466895	0.017307	0.0012
7212 2 82931	-0.7949	167.60	-0.298	-24.261	-0.7943786	0.096768	-0.0005
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7212 2 831 1		171.18	1.727	-28.040	-0.5799387	0.202076	
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7212 2 833 1		175.48	4.402	-33.071	-0.1827589	0.197464	
7212 2 83331	-0.0966	176.47	5.065	-34.331	-0.0972046	0.173125	0.0006
7212 2 834 1		177.41	5.724	-35.591	-0.0229772	0.148311	
7212 2 83431	0.0389	178.32	6.380	-36.854	0.0399357	0.124757	-0.0010
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7212 2 836 1		180.82	8.325	-40.654	0.1730673	0.071942	
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7212 2 837 1		182.29	9.600	-43.203	0.2296277	0.053020	
7212 2 83731	0.2539	182.97	10.229	-44.483	0.2530994	0.049389	0.0008
7212 2 83831	0.3007	184.19	11.472	-47.056	0.2999832	0.055030	0.0007
7212 2 839 1		184.74	12.085	-48.349	0.3273681	0.064304	
7212 2 83931	0.3561	185.25	12.691	-49.648	0.3577293	0.062991	-0.0016
7212 2 840 1		185.72	13.291	-50.952	0.3816088	0.036195	
7212 2 84031	0.3910	186.15	13.884	-52.262	0.3895379	-0.001096	0.0015
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7212 2 842 1		187.16	15.618	-56.230	0.3244805	-0.086127	
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7212 2 84331	0.1843	187.80	17.279	-60.260	0.1848517	-0.101549	-0.0006
7212 2 84431	0.0960	188.00	18.341	-62.985	0.0950885	-0.092298	0.0009
7212 2 845 1		188.03	18.858	-64.360	0.0538074	-0.088635	
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7212 2 846 1		187.98	19.860	-67.134	-0.0178817	-0.066554	
7212 2 84631	-0.0444	187.89	20.346	-68.534	-0.0452553	-0.051509	0.0009
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7212 2 848 1		187.34	21.734	-72.789	-0.0753533	0.012856	
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7212 2 74459 0.053 50.53 -22.688 93.100 0.2400335 -0.004481
7212 2 74529 0.2220 50.76 -23.173 91.417 0.2169847 -0.081374 0.0050
7212 2 74629 0.1507 51.37 -24.088 88.016 0.1613717 0.016947 -0.0107
7212 2 74659 0.1576 51.76 -24.517 86.299 0.2064234 0.192204
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7212 2 74759 0.4645 52.67 -25.316 82.833 0.4432520 0.167784
7212 2 74829 0.2875 53.20 -25.685 81.085 0.4694189 -0.044689 -0.0049
7212 2 74929 0.2875 54.41 -26.359 77.561 0.2948226 -0.294570 -0.0073
7212 2 74959 0.0096 55.09 -26.664 75.787 0.1479324 -0.331949
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7212	3	73959		50.58	-21.506	85.974	0.1115684	0.089929
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7212	3	74229	0.2054	50.92	-24.025	77.599	0.2137724	-0.202884 -0.0084
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7212 3 83129	-0.1226	182.42	12.319	-72.168	-0.1202449	-0.067181	-0.0024
7212 3 83159		183.18	12.938	-73.465	-0.1468892	-0.049257	
7212 3 83229	-0.1643	183.88	13.551	-74.768	-0.1662963	-0.035032	0.0020
7212 3 83329	-0.1882	185.18	14.753	-77.390	-0.1869130	-0.010493	-0.0013
7212 3 83359		185.78	15.343	-78.710	-0.1893269	-0.000181	
7212 3 83429	-0.1865	186.32	15.925	-80.038	-0.1873867	0.008139	0.0009
7212 3 83459		186.83	16.498	-81.372	-0.1822247	0.013776	
7212 3 83529	-0.1760	187.28	17.063	-82.713	-0.1749290	0.031707	-0.0011
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7212 3 83729	-0.1352	188.69	19.228	-88.155	-0.1332730	0.022160	-0.0019
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7212 3 83929	-0.1408	189.39	21.227	-93.730	-0.1381673	-0.024957	-0.0026
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7212 3 84129	-0.1801	189.38	23.039	-99.449	-0.1788565	0.006660	-0.0012
7212 3 84229	-0.1518	189.12	23.868	-102.363	-0.1510757	0.054398	-0.0007
7212 3 84259		188.93	24.262	-103.834	-0.1200425	0.080259	
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7212 3 84359		188.39	25.008	-106.804	-0.0169180	0.148010	
7212 3 84429	0.0588	188.05	25.359	-108.304	0.0604614	0.186177	-0.0017
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7212 3 84559		186.80	26.320	-112.854	0.3785457	0.263955	
7212 3 84629	0.5046	186.28	26.608	-114.389	0.5047730	0.283942	-0.0002
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4.131468, 0.9671602
ICORD =
TSTATE = 1621.007, 103.5466, -813.7485, 0.2994909,
-1.609483, 0.2799561
LONEP = 999.0000
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TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780,
ERAD = 406090.5,
ELAT = 3.131336, 2*0.0000000E+00,
ELON = 2.386673, 2*0.0000000E+00,
ROTIR = 8.9400001E-03,
DITET = 0.2000000,
CONFAC = 1.083000
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7212 3 92731 -0.2555 62.32 -10.193 99.831 -0.2555534 -0.193730 0.0001
7212 3 92831 -0.0989 60.29 -11.644 96.914 -0.0974583 0.393605 -0.0014
7212 3 929 1 59.35 -12.360 95.443 0.0862557 0.366498
7212 3 92931 0.2322 58.44 -13.068 93.961 0.2256923 0.240182 0.0065
7212 3 93031 0.3336 56.77 -14.462 90.968 0.3474166 0.033746 -0.0138
7212 3 931 1 56.01 -15.145 89.456 0.3439097 -0.046367
7212 3 93131 0.3274 55.29 -15.819 87.933 0.3122329 -0.076932 0.0152
7212 3 932 1 54.62 -16.483 86.398 0.2857510 -0.023826
7212 3 93231 0.2884 53.99 -17.137 84.852 0.2914582 0.037278 -0.0031
7212 3 93331 0.2927 52.89 -18.408 81.724 0.3094229 -0.043475 -0.0167
7212 3 934 1 52.42 -19.026 80.142 0.2591952 -0.185365

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7212	3	93431	0.1712	51.99	-19.630	78.547	0.1418906	-0.303765	0.0293
7212	3	935		51.61	-20.220	76.940	-0.0036599	-0.307578	
7212	3	93531	-0.1625	51.29	-20.796	75.320	-0.1328043	-0.250871	-0.0297
7212	3	93631	-0.2804	50.79	-21.903	72.042	-0.3051439	-0.118124	0.0247
7212	3	937		50.62	-22.432	70.384	-0.3423782	-0.042082	
7212	3	93731	-0.3614	50.49	-22.944	68.713	-0.3447089	0.029395	-0.0167
7212	3	938		50.43	-23.438	67.029	-0.3176193	0.085353	
7212	3	93831	-0.2722	50.41	-23.915	65.333	-0.2708633	0.109064	-0.0013
7212	3	93931	-0.1746	50.53	-24.812	61.904	-0.2009775	0.009682	0.0264
7212	3	940		50.66	-25.231	60.172	-0.2230475	-0.113436	
7212	3	94031	-0.3377	50.85	-25.629	58.429	-0.2983480	-0.188710	-0.0394
7212	3	941		51.09	-26.007	56.675	-0.3750423	-0.119382	
7212	3	94131	-0.3731	51.38	-26.364	54.910	-0.4021924	-0.008485	0.0291
7212	3	94231	-0.3812	52.12	-27.011	51.351	-0.3738090	0.028999	-0.0073
7212	3	943		52.56	-27.301	49.558	-0.3750097	-0.044443	
7212	3	94331	-0.4182	53.05	-27.568	47.758	-0.4113150	-0.094979	-0.0069
7212	3	944		53.59	-27.812	45.949	-0.4462045	-0.038264	
7212	3	94431	-0.4321	54.18	-28.032	44.135	-0.4402337	0.060167	0.0081
7212	3	94531	-0.3234	55.51	-28.400	40.489	-0.3194154	0.185660	-0.0040
7212	3	946		56.24	-28.547	38.659	-0.3265284	0.212710	
7212	3	94631	-0.1286	57.02	-28.670	36.827	-0.1276519	0.209585	-0.0009
7212	3	947		57.85	-28.768	34.992	-0.0386327	0.169906	
7212	3	94731	0.0375	58.72	-28.842	33.156	0.0283094	0.124203	0.0092
7212	3	94831	0.1071	60.60	-28.914	29.483	0.1271637	0.106240	-0.0201
7212	3	949		61.60	-28.913	27.649	0.1816837	0.133993	
7212	3	94931	0.2756	62.65	-28.887	25.817	0.2509469	0.162146	0.0247
7212	3	950		63.73	-28.837	23.989	0.3277610	0.166624	
7212	3	95031	0.3867	64.86	-28.763	22.166	0.4030465	0.159698	-0.0163
7212	3	95131	0.5463	67.23	-28.541	18.535	0.5450515	0.148467	0.0012
7212	3	952		68.48	-28.395	16.730	0.6125767	0.144162	
7212	3	95231	0.6828	69.76	-28.225	14.932	0.6750781	0.119793	0.0077
7212	3	953		71.07	-28.032	13.144	0.7168714	0.054396	
7212	3	95331	0.7183	72.42	-27.817	11.365	0.7238543	-0.020469	-0.0056
7212	3	95431	0.6579	75.22	-27.320	7.837	0.6595708	-0.104069	-0.0017
7212	3	955		76.66	-27.039	6.089	0.6086555	-0.112793	
7212	3	95531	0.5610	78.14	-26.738	4.354	0.5553724	-0.121841	0.0056
7212	3	956		79.65	-26.416	2.631	0.4926548	-0.153604	
7212	3	95631	0.4097	81.18	-26.074	0.920	0.4128526	-0.189856	-0.0032
7212	3	95731	0.2164	84.32	-25.333	-2.461	0.2188419	-0.221227	-0.0024
7212	3	958		85.93	-24.935	-4.131	0.1172938	-0.216339	
7212	3	95831	0.0242	87.57	-24.520	-5.788	0.0185564	-0.214869	0.0056
7212	3	959		89.22	-24.087	-7.430	-0.0842727	-0.233959	
7212	3	95931	-0.2023	90.89	-23.638	-9.058	-0.1979764	-0.256338	-0.0043
7212	310	031	-0.4394	94.30	-22.692	-12.272	-0.4402865	-0.259192	0.0009
7212	310	1		96.02	-22.197	-13.857	-0.5559933	-0.239660	
7212	310	131	-0.6581	97.77	-21.688	-15.428	-0.6589677	-0.203146	0.0009
7212	310	2		99.52	-21.165	-16.985	-0.7404865	-0.146615	
7212	310	231	-0.7922	101.29	-20.629	-18.528	-0.7929576	-0.081030	0.0008
7212	310	331	-0.8133	104.86	-19.520	-21.572	-0.8092296	-0.044536	-0.0041
7212	310	4		106.66	-18.949	-23.074	-0.7747458	0.104517	
7212	310	431	-0.7083	108.47	-18.366	-24.563	-0.7142071	0.154880	0.0059
7212	310	5		110.28	-17.774	-26.038	-0.6343992	0.187915	
7212	310	531	-0.5479	112.10	-17.171	-27.501	-0.5429801	0.206104	-0.0049
7212	310	631	-0.3466	115.75	-15.939	-30.391	-0.3491690	0.205463	0.0026
7212	310	7		117.57	-15.311	-31.818	-0.2581731	0.186626	
7212	310	731	-0.1780	119.40	-14.675	-33.233	-0.1770186	0.166656	-0.0010
7212	310	8		121.22	-14.032	-34.637	-0.1027595	0.156751	
7212	310	831	-0.0309	123.04	-13.382	-36.031	-0.0315386	0.151671	0.0006
7212	310	931	0.1026	126.67	-12.063	-38.789	0.1033690	0.140262	-0.0008
7212	31010	1		128.48	-11.396	-40.154	0.1666726	0.133934	
7212	3101031	0.2271	130.28	-10.724	-41.509	0.2262765	0.122659	0.122659	0.0008
7212	31011	1		132.06	-10.047	-42.856	0.2784758	0.101917	
7212	3101131	0.3189	133.85	-9.366	-44.195	0.3195767	0.075948	-0.0007	
7212	3101231	0.3651	137.37	-7.994	-46.849	0.3646821	0.021103	0.0004	
7212	31013	1		139.11	-7.303	-48.166	0.3677960	-0.007774	
7212	3101331	0.3587	140.84	-6.610	-49.477	0.3589021	-0.027554	-0.0002	

7212	31014	1		142.55	-5.914	-50.781	0.3453055	-0.028159	
7212	3101431	0.3345	144.25	-5.217	-52.079	0.3344926	-0.018425	0.0000	
7212	3101531	0.3283	147.59	-3.819	-54.662	0.3280900	0.005562	0.0002	
7212	31016	1		149.22	-3.119	-55.946	0.3338891	0.019814	
7212	3101631	0.3446	150.84	-2.419	-57.226	0.3449560	0.024772	-0.0004	
7212	31017	1		152.44	-1.718	-58.504	0.3536706	0.009636	
7212	3101731	0.3525	154.01	-1.018	-59.777	0.3521046	-0.016851	0.0004	
7212	3101831	0.3089	157.09	0.380	-62.318	0.3092943	-0.077607	-0.0004	
7212	31019	1		158.58	1.077	-63.585	0.2656597	-0.111874	
7212	3101931	0.2080	160.06	1.773	-64.851	0.2076375	-0.135447	0.0004	
7212	31020	1		161.50	2.467	-66.116	0.1442874	-0.135021	
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7212	3102131	-0.0104	165.67	4.533	-69.908	-0.0104824	-0.083812	0.0001	
7212	31022	1		166.99	5.216	-71.173	-0.0439221	-0.060551	
7212	3102231	-0.0668	168.29	5.895	-72.439	-0.0669015	-0.040607	0.0001	
7212	31023	1		169.54	6.571	-73.706	-0.0829173	-0.030405	
7212	3102331	-0.0962	170.78	7.243	-74.975	-0.0958071	-0.025606	-0.0004	
7212	3102431	-0.1154	173.13	8.573	-77.520	-0.1161737	-0.019223	0.0008	
7212	31025	1		174.25	9.231	-78.797	-0.1246405	-0.017638	
7212	3102531	-0.1332	175.35	9.883	-80.077	-0.1322600	-0.014754	-0.0009	
7212	31026	1		176.39	10.530	-81.360	-0.1376989	-0.008199	
7212	3102631	-0.1390	177.42	11.171	-82.648	-0.1396697	-0.000602	0.0007	
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7212	3102931	-0.1233	182.70	14.878	-90.475	-0.1226673	-0.010453	-0.0006	
7212	3103031	-0.1412	184.14	16.053	-93.130	-0.1428501	-0.032713	0.0017	
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7212	3103131	-0.1837	185.41	17.194	-95.813	-0.1815306	-0.048205	-0.0022	
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7212	3103231	-0.2212	186.52	18.298	-98.525	-0.2229094	-0.036516	0.0017	
7212	3103331	-0.2411	187.45	19.362	-101.268	-0.2403432	0.003389	-0.0008	
7212	31034	1		187.85	19.878	-102.652	-0.2320348	0.033766	
7212	3103431	-0.2087	188.21	20.384	-104.044	-0.2088096	0.066437	0.0001	
7212	31035	1		188.52	20.878	-105.445	-0.1710584	0.096725	
7212	3103531	-0.1193	188.80	21.361	-106.854	-0.1193497	0.127960	0.0000	
7212	3103631	0.0322	189.21	22.290	-109.699	0.0322268	0.203193	0.0000	
7212	31037	1		189.34	22.736	-111.136	0.1360163	0.247188	
7212	3103731	0.2595	189.44	23.169	-112.580	0.2594940	0.284817	0.0000	
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-1.490654, -0.7207062,
LONEP = 999.0000,
REFEP = 640,
DUTSEC = 0.0000000E+00,
TRANS = 0.0000000E+00,
TRANB = 0.0000000E+00,
GM = 4902.780,
ERAD = 389636.6,
ELAT = -5.061386, 2*0.0000000E+00,
ELON = -5.962616, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DITIT = 0.2000000,
CONEAC = 1.083000,
SEND
EPOCH DATE RESIDUAL ALTITUDE LATITUDE LONGITUDE FIT DATA FIT ACCEL RES/FIT

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YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
73 1 8 62559	-0.0809	157.96	27.430	97.992	-0.0809026	0.311127	0.0000
73 1 8 62659	0.1817	156.28	27.007	94.771	0.1817699	0.246064	-0.0001
73 1 8 62729		155.40	26.768	93.168	0.2824345	0.187075	
73 1 8 62759	0.3538	154.50	26.510	91.570	0.3534843	0.121435	0.0003
73 1 8 62859	0.4090	152.62	25.942	88.392	0.4096701	0.003152	-0.0007
73 1 8 62929		151.65	25.632	86.813	0.3988069	-0.049490	
73 1 8 62959	0.3656	150.66	25.305	85.241	0.3648675	-0.096321	0.0007
73 1 8 63029		149.64	24.961	83.675	0.3109889	-0.135866	
73 1 8 63059	0.2409	148.61	24.600	82.117	0.2410342	-0.164884	-0.0001
73 1 8 63159	0.0760	146.48	23.830	79.023	0.0768241	-0.181617	-0.0008
73 1 8 63229		145.39	23.421	77.487	-0.0047192	-0.169334	
73 1 8 63259	-0.0752	144.28	22.997	75.959	-0.0762325	-0.135610	0.0010
73 1 8 63329		143.15	22.558	74.440	-0.1254556	-0.072772	
73 1 8 63359	-0.1458	142.01	22.104	72.928	-0.1462431	-0.028229	0.0004
73 1 8 63459	-0.2048	139.67	21.154	69.928	-0.2019575	-0.136249	-0.0028
73 1 8 63529		138.49	20.659	68.440	-0.2975508	-0.288812	
73 1 8 63559	-0.4604	137.28	20.150	66.960	-0.4640747	-0.411742	0.0037
73 1 8 63629		136.07	19.628	65.488	-0.6585062	-0.409707	
73 1 8 63659	-0.8306	134.84	19.094	64.023	-0.8294677	-0.323753	-0.0011
73 1 8 63759	-1.0061	132.36	17.989	61.117	-1.0028582	-0.023230	-0.0032
73 1 8 63829		131.10	17.420	59.674	-0.9657011	0.191339	
73 1 8 63859	-0.8200	129.84	16.839	58.239	-0.8257284	0.408861	0.0057
73 1 8 63929		128.56	16.248	56.811	-0.5938635	0.589417	
73 1 8 63959	-0.2962	127.29	15.646	55.389	-0.2915066	0.704846	-0.0047
73 1 8 64059	0.3674	124.71	14.414	52.565	0.3654104	0.655846	0.0020
73 1 8 64129		123.41	13.784	51.162	0.6338339	0.491417	
73 1 8 64159	0.8148	122.12	13.145	49.765	0.8149704	0.299727	-0.0002
73 1 8 64229		120.81	12.498	48.373	0.9165552	0.146799	
73 1 8 64259	0.9555	119.51	11.842	46.986	0.9556873	0.027454	-0.0002
73 1 8 64359	0.9014	116.91	10.510	44.226	0.9014320	-0.126037	0.0000
73 1 8 64429		115.60	9.833	42.852	0.8342682	-0.160183	
73 1 8 64459	0.7562	114.30	9.149	41.482	0.7557434	-0.179915	0.0005
73 1 8 64529		113.01	8.460	40.115	0.6682073	-0.199220	
73 1 8 64559	0.5703	111.71	7.765	38.751	0.5717726	-0.218646	-0.0015
73 1 8 64659	0.3541	109.14	6.360	36.031	0.3512279	-0.259499	0.0029
73 1 8 64729		107.86	5.650	34.674	0.2265013	-0.280927	
73 1 8 64759	0.0898	106.60	4.936	33.318	0.0928370	-0.295815	-0.0030
73 1 8 64829		105.33	4.219	31.964	-0.0445270	-0.296954	
73 1 8 64859	-0.1774	104.08	3.498	30.610	-0.1777769	-0.274816	0.0004
73 1 8 64959	-0.3719	101.61	2.048	27.902	-0.3757497	-0.132122	0.0038
73 1 8 65029		100.39	1.319	26.548	-0.4101805	-0.011565	
73 1 8 65059	-0.3958	99.19	0.589	25.193	-0.3907156	0.081134	-0.0051
73 1 8 65129		97.99	-0.142	23.836	-0.3488879	0.085310	
73 1 8 65159	-0.3182	96.82	-0.874	22.477	-0.3179524	0.050441	-0.0002
73 1 8 65259	-0.2832	94.51	-2.340	19.753	-0.2923385	0.011993	0.0091
73 1 8 65329		93.38	-3.072	18.386	-0.2880290	0.008414	
73 1 8 65359	-0.2936	92.27	-3.803	17.016	-0.2809383	0.028429	-0.0127
73 1 8 65429		91.18	-4.533	15.642	-0.2561221	0.085201	
73 1 8 65459	-0.1947	90.11	-5.262	14.263	-0.1995666	0.159519	0.0049
73 1 8 65559	0.0235	88.03	-6.712	11.491	0.0145567	0.303162	0.0089
73 1 8 65629		87.02	-7.432	10.097	0.1705877	0.372487	
73 1 8 65659	0.3354	86.03	-8.149	8.697	0.3518744	0.398782	-0.0165
73 1 8 65729		85.07	-8.862	7.290	0.5258196	0.340683	
73 1 8 65759	0.6727	84.14	-9.570	5.876	0.6607075	0.245283	0.0120
73 1 8 65859	0.8080	82.34	-10.972	3.026	0.8096532	0.083861	-0.0017
73 1 8 65929		81.47	-11.664	1.589	0.8327531	0.017839	
73 1 8 65959	0.8184	80.64	-12.349	0.144	0.8239164	-0.062536	-0.0055
73 1 8 7 029		79.84	-13.028	-1.310	0.7690851	-0.181410	
73 1 8 7 059	0.6640	79.06	-13.698	-2.774	0.6562684	-0.301202	0.0077
73 1 8 7 159	0.2989	77.60	-15.016	-5.729	0.3070309	-0.430806	-0.0081
73 1 8 7 229		76.90	-15.661	-7.222	0.1044610	-0.440617	
73 1 8 7 259	-0.0906	76.25	-16.296	-8.725	-0.0975075	-0.435417	0.0069
73 1 8 7 329		75.62	-16.922	-10.240	-0.2986076	-0.427955	-0.0016
73 1 8 7 359	-0.5009	75.03	-17.536	-11.765	-0.4992914	-0.328216	-0.0062
73 1 8 7 459	-0.8630	73.94	-18.731	-14.849	-0.8568074		

YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
73 1 8 7 529		73.44	-19.310	-16.408	-0.9884194	-0.237376	
73 1 8 7 559	-1.0663	72.98	-19.876	-17.979	-1.0755441	-0.143633	0.0092
73 1 8 7 629		72.54	-20.429	-19.562	-1.1243547	-0.071399	
73 1 8 7 659	-1.1482	72.15	-20.968	-21.157	-1.1458824	-0.027830	-0.0023
73 1 8 7 759	-1.1799	71.46	-22.000	-24.383	-1.1699406	-0.048163	-0.0100
73 1 8 7 829		71.17	-22.493	-26.014	-1.2055492	-0.112064	
73 1 8 7 859	-1.2455	70.91	-22.970	-27.657	-1.2630767	-0.108778	0.0176
73 1 8 7 929		70.69	-23.429	-29.312	-1.2797977	0.064709	
73 1 8 7 959	-1.2073	70.51	-23.872	-30.978	-1.1902750	0.323007	-0.0170
73 1 8 71059	-0.6414	70.25	-24.703	-34.345	-0.6541405	0.837875	0.0127
73 1 8 71129		70.16	-25.090	-36.046	-0.2080611	1.094445	
73 1 8 71159	0.3174	70.13	-25.458	-37.756	0.3235228	1.137202	-0.0061
73 1 8 71229		70.12	-25.806	-39.477	0.7762666	0.752910	
73 1 8 71259	0.9911	70.15	-26.134	-41.208	0.9993601	0.242751	-0.0083
73 1 8 71359	0.9694	70.32	-26.727	-44.697	0.9413041	-0.251624	0.0281
73 1 8 71429		70.46	-26.991	-46.454	0.8220332	-0.235839	
73 1 8 71459	0.6997	70.63	-27.234	-48.218	0.7366183	-0.135069	-0.0369
73 1 8 71529		70.84	-27.455	-49.990	0.6964928	-0.039645	
73 1 8 71559	0.7183	71.09	-27.653	-51.768	0.6949326	0.022775	0.0234
73 1 8 71659	0.7101	71.69	-27.981	-55.340	0.7082475	-0.034378	0.0019
73 1 8 71729		72.03	-28.110	-57.132	0.6671075	-0.153951	
73 1 8 71759	0.5561	72.42	-28.216	-58.927	0.5733594	-0.226320	-0.0173
73 1 8 71829		72.84	-28.299	-60.725	0.4819977	-0.143613	
73 1 8 71859	0.4630	73.30	-28.358	-62.524	0.4478297	-0.014919	0.0152
73 1 8 71959	0.4797	74.30	-28.406	-66.124	0.4849142	0.053179	-0.0052
73 1 8 72029		74.85	-28.395	-67.923	0.4979049	-0.007419	
73 1 8 72059	0.4782	75.44	-28.360	-69.720	0.4813441	-0.046701	-0.0031
73 1 8 72129		76.05	-28.302	-71.514	0.4710543	0.019747	
73 1 8 72159	0.5108	76.71	-28.221	-73.305	0.5003265	0.091060	0.0105
73 1 8 72259	0.5284	78.10	-27.989	-76.872	0.5468419	-0.054307	-0.0184
73 1 8 72329		78.83	-27.839	-78.647	0.4754443	-0.270987	
73 1 8 72359	0.3170	79.60	-27.666	-80.415	0.2958213	-0.492876	0.0212
73 1 8 72429		80.39	-27.472	-82.176	0.0335121	-0.629183	
73 1 8 72459	-0.2844	81.22	-27.256	-83.928	-0.2715160	-0.676947	-0.0129
73 1 8 72559	-0.8435	82.96	-26.760	-87.407	-0.8421102	-0.497956	-0.0014
73 1 8 72629		83.85	-26.480	-89.132	-1.0231833	-0.271202	
73 1 8 72659	-1.0877	84.79	-26.181	-90.846	-1.0970912	-0.074103	0.0094
73 1 8 72729		85.74	-25.862	-92.550	-1.1148173	-0.027823	
73 1 8 72759	-1.1392	86.72	-25.523	-94.243	-1.1336054	-0.051876	-0.0056
73 1 8 72859	-1.1966	88.75	-24.790	-97.592	-1.1927826	-0.069536	-0.0038
73 1 8 72929		89.79	-24.396	-99.250	-1.2238004	-0.063142	
73 1 8 72959	-1.2260	90.86	-23.986	-100.894	-1.2354803	0.044654	0.0095
73 1 8 73029		91.94	-23.558	-102.526	-1.1529205	0.345104	
73 1 8 73059	-0.9173	93.05	-23.114	-104.145	-0.9090512	0.696066	-0.0082
73 1 8 73159	-0.0371	95.31	-22.180	-107.345	-0.0409763	1.123097	0.0039
73 1 8 73229		96.46	-21.690	-108.926	0.4986209	1.199166	
73 1 8 73259	1.0390	97.64	-21.186	-110.493	1.0398586	1.103503	-0.0009
73 1 8 73359	1.6992	100.03	-20.139	-113.591	1.6991682	0.156672	0.0000


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73 1 9 61830	-0.2644	161.01	28.358	98.011	-0.2643915	0.254799	0.0000	
73 1 9 61930	-0.0432	159.86	28.223	94.737	-0.0434288	0.210174	0.0002	
73 1 9 620 0		159.24	28.126	93.103	0.0421689	0.157181		
73 1 9 62030	0.0996	158.60	28.010	91.470	0.1006332	0.097188	-0.0010	
73 1 9 62130	0.1441	157.24	27.720	88.214	0.1418921	-0.003538	0.0022	
73 1 9 622 0		156.52	27.546	86.591	0.1306081	-0.044267		
73 1 9 62230	0.0989	155.77	27.354	84.972	0.1016544	-0.080875	-0.0028	
73 1 9 623 0		155.01	27.143	83.358	0.0562028	-0.115696		
73 1 9 62330	-0.0018	154.22	26.914	81.748	-0.0038355	-0.141827	0.0020	
73 1 9 62430	-0.1428	152.56	26.400	78.547	-0.1421517	-0.147387	-0.0006	
73 1 9 625 0		151.71	26.116	76.955	-0.2060540	-0.126809		
73 1 9 62530	-0.2575	150.83	25.815	75.369	-0.2569306	-0.091197	-0.0006	
73 1 9 626 0		149.92	25.497	73.791	-0.2880239	-0.041063		
73 1 9 62630	-0.2953	149.00	25.161	72.219	-0.2971326	-0.005758	0.0018	
73 1 9 62730	-0.3207	147.10	24.440	69.098	-0.3174074	-0.067594	-0.0033	
73 1 9 628 0		146.12	24.055	67.549	-0.3693505	-0.164757		
73 1 9 62830	-0.4653	145.12	23.654	66.007	-0.4689263	-0.258001	0.0036	
73 1 9 629 0		144.10	23.238	64.474	-0.5995897	-0.299302		
73 1 9 62930	-0.7383	143.07	22.806	62.948	-0.7368268	-0.285614	-0.0015	
73 1 9 63030	-0.9275	140.96	21.899	59.922	-0.9254171	-0.084195	-0.0021	
73 1 9 631 0		139.88	21.424	58.421	-0.9231784	-0.103564		
73 1 9 63130	-0.8249	138.78	20.935	56.928	-0.8292308	0.295059	0.0043	
73 1 9 632 0		137.68	20.433	55.443	-0.6584801	0.436130		
73 1 9 63230	-0.4395	136.56	19.918	53.966	-0.4351566	0.521170	-0.0043	
73 1 9 63330	0.0617	134.28	18.850	51.036	0.0583039	0.506634	0.0034	
73 1 9 634 0		133.13	18.298	49.582	0.2716089	0.407030		
73 1 9 63430	0.4280	131.97	17.734	48.137	0.4305269	0.283893	-0.0025	
73 1 9 635 0		130.80	17.159	46.698	0.5359532	0.175165		
73 1 9 63530	0.5961	129.61	16.574	45.266	0.5945247	0.081055	0.0016	
73 1 9 63630	0.5979	127.23	15.371	42.424	0.5983449	-0.062949	-0.0004	
73 1 9 637 0		126.03	14.756	41.013	0.5571945	-0.112835		
73 1 9 63730	0.4949	124.83	14.131	39.608	0.4949695	-0.157468	-0.0001	
73 1 9 638 0		123.62	13.497	38.208	0.4111325	-0.206381		
73 1 9 63830	0.3051	122.41	12.854	36.815	0.3057441	-0.246619	-0.0006	
73 1 9 63930	0.0661	119.97	11.546	34.043	0.0641312	-0.262317	0.0020	
73 1 9 640 0		118.76	10.880	32.665	-0.0521532	-0.237766		
73 1 9 64030	-0.1557	117.54	10.207	31.290	-0.1534827	-0.200660	-0.0022	
73 1 9 641 0		116.32	9.528	29.920	-0.2368880	-0.160020		
73 1 9 64130	-0.2997	115.10	8.843	28.554	-0.2997176	-0.109473	0.0000	
73 1 9 64230	-0.3330	112.68	7.455	25.830	-0.3365508	0.040567	0.0036	
73 1 9 643 0		111.48	6.753	24.472	-0.2954755	0.140069		
73 1 9 64330	-0.2162	110.27	6.047	23.117	-0.2109872	0.215118	-0.0052	
73 1 9 644 0		109.08	5.336	21.763	-0.1068707	0.224993		
73 1 9 64430	-0.0064	107.89	4.622	20.411	-0.0094159	0.194713	0.0030	
73 1 9 64530	0.1273	105.54	3.183	17.708	0.1261214	0.088778	0.0012	
73 1 9 646 0		104.38	2.460	16.358	0.1502275	0.013116		
73 1 9 64630	0.1377	103.22	1.734	15.007	0.1416165	-0.040589	-0.0039	
73 1 9 647 0		102.08	1.006	13.655	0.1218284	-0.035284		
73 1 9 64730	0.1183	100.95	0.277	12.303	0.1140807	0.002810	0.0042	
73 1 9 64830	0.1554	98.73	-1.184	9.593	0.1589264	0.098702	-0.0035	
73 1 9 649 0		97.64	-1.915	8.235	0.2175926	0.156503		
73 1 9 64930	0.3042	96.56	-2.646	6.874	0.3013186	0.200578	0.0029	
73 1 9 650 0		95.50	-3.376	5.509	0.3975693	0.210662		
73 1 9 65030	0.4895	94.46	-4.105	4.142	0.4916799	0.193739	-0.0022	
73 1 9 65130	0.6347	92.42	-5.559	1.393	0.6333786	0.099834	0.0013	
73 1 9 652 0		91.44	-6.282	0.012	0.6624714	0.022843		
73 1 9 65230	0.6530	90.47	-7.003	-1.374	0.6533002	-0.061796	-0.0003	
73 1 9 653 0		89.52	-7.720	-2.767	0.6061233	-0.141768		

73 1 9 65330	0.5220	88.59	-8.433	-4.165	0.5235056	-0.214575	-0.0015
73 1 9 65430	0.2724	86.80	-9.847	-6.982	0.2684869	-0.331392	0.0039
73 1 9 655 0		85.94	-10.546	-8.401	0.1049422	-0.375396	
73 1 9 65530	-0.0833	85.10	-11.240	-9.828	-0.0783760	-0.420959	-0.0049
73 1 9 656 0		84.29	-11.927	-11.263	-0.2857229	-0.479283	
73 1 9 65630	-0.5151	83.51	-12.608	-12.707	-0.5181621	-0.519666	0.0031
73 1 9 65730	-0.9826	82.01	-13.948	-15.621	-0.9829316	-0.454617	0.0003
73 1 9 658 0		81.30	-14.606	-17.092	-1.1703694	-0.349161	
73 1 9 65830	-1.3033	80.62	-15.255	-18.573	-1.3005623	-0.212643	-0.0027
73 1 9 659 0		79.97	-15.894	-20.064	-1.3646121	-0.062525	
73 1 9 65930	-1.3579	79.34	-16.524	-21.566	-1.3616045	0.066165	0.0037
73 1 9 7 030	-1.2466	78.18	-17.753	-24.602	-1.2423815	0.154490	-0.0042
73 1 9 7 1 0		77.65	-18.350	-26.136	-1.1781985	0.114113	
73 1 9 7 130	-1.1365	77.14	-18.936	-27.682	-1.1411383	0.046897	0.0046
73 1 9 7 2 0		76.66	-19.509	-29.240	-1.1344912	-0.017658	
73 1 9 7 230	-1.1508	76.22	-20.068	-30.809	-1.1457431	-0.006207	-0.0051
73 1 9 7 330	-0.9746	75.42	-21.147	-33.983	-0.9800308	0.464700	0.0054
73 1 9 7 4 0		75.07	-21.664	-35.588	-0.6651191	0.924228	
73 1 9 7 430	-0.1515	74.75	-22.166	-37.205	-0.1484013	1.242543	-0.0031
73 1 9 7 5 0		74.47	-22.652	-38.834	0.4157801	1.129234	
73 1 9 7 530	0.8553	74.22	-23.122	-40.474	0.8617582	0.804404	-0.0065
73 1 9 7 630	1.3343	73.81	-24.011	-43.791	1.3137523	0.180316	0.0205
73 1 9 7 7 0		73.66	-24.429	-45.466	1.3275936	-0.118937	
73 1 9 7 730	1.1968	73.54	-24.828	-47.152	1.2245153	-0.284557	-0.0277
73 1 9 7 8 0		73.45	-25.209	-48.849	1.1046422	-0.191554	
73 1 9 7 830	1.0810	73.40	-25.570	-50.557	1.0596141	-0.020669	0.0214
73 1 9 7 930	1.0793	73.39	-26.232	-54.002	1.0875466	0.012604	-0.0082
73 1 9 7 10 0		73.45	-26.532	-55.739	1.0655429	-0.125058	
73 1 9 7 1030	0.9744	73.52	-26.812	-57.484	0.9757336	-0.239010	-0.0013
73 1 9 7 11 0		73.64	-27.070	-59.237	0.8679662	-0.202735	
73 1 9 7 1130	0.8032	73.79	-27.306	-60.998	0.7972348	-0.109892	0.0060
73 1 9 7 1230	0.7324	74.19	-27.712	-64.540	0.7415447	-0.035462	-0.0091
73 1 9 7 13 0		74.44	-27.881	-66.318	0.7223430	-0.053893	
73 1 9 7 1330	0.7023	74.71	-28.027	-68.102	0.6932610	-0.062725	0.0090
73 1 9 7 14 0		75.03	-28.150	-69.890	0.6730918	-0.015252	
73 1 9 7 1430	0.6783	75.37	-28.250	-71.681	0.6797410	0.035911	-0.0014
73 1 9 7 1530	0.6970	76.16	-28.380	-75.268	0.7074673	-0.008460	-0.0105
73 1 9 7 16 0		76.61	-28.411	-77.063	0.6833820	-0.104018	
73 1 9 7 1630	0.6184	77.07	-28.417	-78.858	0.6025861	-0.257046	0.0158
73 1 9 7 17 0		77.58	-28.400	-80.651	0.4358424	-0.476218	
73 1 9 7 1730	0.1591	78.11	-28.360	-82.443	0.1668669	-0.669496	-0.0078
73 1 9 7 1830	-0.5101	79.26	-28.210	-86.017	-0.5029045	-0.702690	-0.0072
73 1 9 7 19 0		79.89	-28.101	-87.797	-0.7949250	-0.542549	
73 1 9 7 1930	-0.9845	80.53	-27.969	-89.573	-0.9994969	-0.353876	0.0150
73 1 9 7 20 0		81.21	-27.814	-91.342	-1.1310008	-0.225845	
73 1 9 7 2030	-1.2227	81.92	-27.638	-93.105	-1.2139300	-0.136079	-0.0088
73 1 9 7 2130	-1.2781	83.41	-27.218	-96.608	-1.2736931	-0.003894	-0.0044
73 1 9 7 22 0		84.19	-26.977	-98.346	-1.2650918	0.038518	
73 1 9 7 2230	-1.2202	85.00	-26.714	-100.075	-1.2325737	0.117040	0.0124
73 1 9 7 23 0		85.84	-26.431	-101.795	-1.1434568	0.283646	
73 1 9 7 2330	-0.9763	86.69	-26.128	-103.504	-0.9654096	0.484503	-0.0109
73 1 9 7 2430	-0.3484	88.47	-25.464	-106.890	-0.3535347	0.827833	0.0051
73 1 9 7 25 0		89.40	-25.103	-108.566	0.0623466	0.970298	
73 1 9 7 2530	0.5168	90.34	-24.724	-110.230	0.5179521	0.953945	-0.0012
73 1 9 7 26 0		91.31	-24.328	-111.882	0.8972785	0.639391	
73 1 9 7 2630	1.1020	92.30	-23.914	-113.522	1.1019485	0.283106	0.0001
73 1 9 7 2730	1.2655	94.32	-23.037	-116.765	1.2655019	0.214216	0.0000

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246.0278, 288.7674
ICCOORD = 1,

TSTATE = 1837.580 117.3848 79.49530 8.9278579E-02,
-1.438831 -0.7767602
LONEP = 999.0000
REFEP = 6*0
DUTSEC = 0.0000000E+00,
TRANSA = 0.0000000E+00,
TRANSB = 0.0000000E+00,
GM = 4902.780
ERAD = 382161.8
ELAT = -6.400769 2*0.0000000E+00,
ELON = 353.7983 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DIFIT = 0.2000000
CONFAC = 1.083000

EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS	Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
73 110 61130	0.0645	161.54	28.185	96.833	0.0645032	0.114884	0.0000
73 110 61230	0.1627	160.80	28.325	93.563	0.1626127	0.085599	0.0001
73 110 613 0		160.39	28.365	91.925	0.1932023	0.043909	
73 110 61330	0.2021	159.95	28.386	90.284	0.2024944	-0.002085	-0.0004
73 110 61430	0.1691	159.00	28.370	87.001	0.1682529	-0.065799	0.0008
73 110 615 0		158.49	28.333	85.359	0.1334213	-0.083520	
73 110 61530	0.0905	157.94	28.275	83.717	0.0916534	-0.097864	-0.0012
73 110 616 0		157.38	28.199	82.077	0.0426467	-0.114878	
73 110 61630	-0.0121	156.79	28.103	80.438	-0.0133330	-0.124825	0.0012
73 110 61730	-0.1209	155.53	27.852	77.168	-0.1196719	-0.094301	-0.0012
73 110 618 0		154.87	27.698	75.537	-0.1545131	-0.053830	
73 110 61830	-0.1675	154.18	27.525	73.910	-0.1687006	-0.008968	0.0012
73 110 619 0		153.47	27.333	72.288	-0.1640282	0.027871	
73 110 61930	-0.1469	152.74	27.122	70.670	-0.1457817	0.046410	-0.0011
73 110 62030	-0.1156	151.21	26.645	67.449	-0.1165960	-0.002245	0.0010
73 110 621 0		150.42	26.379	65.847	-0.1320441	-0.069439	
73 110 62130	-0.1800	149.60	26.095	64.252	-0.1791593	-0.126536	-0.0008
73 110 622 0		148.76	25.794	62.663	-0.2413767	-0.134862	
73 110 62230	-0.2977	147.90	25.475	61.081	-0.2982487	-0.107860	0.0005
73 110 62330	-0.3495	146.13	24.787	57.938	-0.3493353	-0.011796	-0.0002
73 110 624 0		145.22	24.418	56.378	-0.3233427	0.104451	
73 110 62430	-0.2537	144.29	24.032	54.826	-0.2539205	0.190405	0.0002
73 110 625 0		143.35	23.631	53.282	-0.1529610	0.241071	
73 110 62530	-0.0369	142.38	23.214	51.746	-0.0355733	0.264133	-0.0013
73 110 62630	0.2112	140.41	22.336	48.697	0.2081544	0.250501	0.0030
73 110 627 0		139.40	21.875	47.186	0.3161016	0.213806	
73 110 62730	0.4011	138.38	21.399	45.682	0.4049596	0.173114	-0.0039
73 110 628 0		137.35	20.910	44.187	0.4777836	0.144347	
73 110 62830	0.5406	136.30	20.407	42.700	0.5377455	0.112341	0.0029
73 110 62930	0.5912	134.18	19.363	39.750	0.5920998	-0.006878	-0.0009
73 110 630 0		133.10	18.823	38.287	0.5695002	-0.094091	
73 110 63030	0.5062	132.01	18.270	36.831	0.5068653	-0.170613	-0.0007
73 110 631 0		130.91	17.706	35.384	0.4180859	-0.207349	
73 110 63130	0.3217	129.81	17.131	33.944	0.3198176	-0.215427	0.0019
73 110 63230	0.1292	127.58	15.949	31.085	0.1323257	-0.178993	-0.0031
73 110 633 0		126.45	15.343	29.665	0.0592891	-0.134480	
73 110 63330	0.0139	125.32	14.727	28.253	0.0104857	-0.074804	0.0034
73 110 634 0		124.18	14.101	26.847	-0.0078127	-0.002332	
73 110 63430	0.0055	123.05	13.468	25.446	0.0071112	0.062205	-0.0016
73 110 63530	0.0919	120.76	12.175	22.663	0.0932633	0.105291	-0.0014
73 110 636 0		119.62	11.516	21.279	0.1380250	0.083839	
73 110 63630	0.1705	118.47	10.851	19.899	0.1674340	0.041313	0.0031
73 110 637 0		117.33	10.179	18.524	0.1740959	-0.014701	
73 110 63730	0.1514	116.19	9.500	17.154	0.1538142	-0.071010	-0.0024
73 110 63830	0.0508	113.91	8.124	14.423	0.0501459	-0.144938	0.0007
73 110 639 0		112.77	7.428	13.063	-0.0213326	-0.162558	
73 110 63930	-0.0958	111.64	6.727	11.705	-0.0963113	-0.156511	0.0005
73 110 640 0		110.51	6.021	10.349	-0.1605488	-0.116027	
73 110 64030	-0.2013	109.40	5.311	8.996	-0.2006280	-0.057233	-0.0007

73 110 64130	-0.1964	107.18	3.881	6.292	-0.1968342	0.066905	0.0004
73 110 642 0		106.08	3.161	4.942	-0.1509453	0.132249	
73 110 64230	-0.0757	104.99	2.438	3.591	-0.0753447	0.193537	-0.0004
73 110 643 0		103.91	1.713	2.241	0.0261743	0.244527	
73 110 64330	0.1471	102.85	0.937	0.890	0.1464481	0.269563	0.0007
73 110 64430	0.3725	100.74	-0.470	-1.815	0.3736398	0.194792	-0.0011
73 110 645 0		99.71	-1.200	-3.170	0.4421329	0.094985	
73 110 64530	0.4615	98.70	-1.929	-4.527	0.4604257	-0.010796	0.0011
73 110 646 0		97.69	-2.659	-5.887	0.4367304	-0.086908	
73 110 64630	0.3835	96.71	-3.387	-7.250	0.3831815	-0.143506	0.0003
73 110 64730	0.2060	94.78	-4.841	-9.987	0.2084962	-0.228622	-0.0025
73 110 648 0		93.84	-5.535	-11.362	0.0960027	-0.257140	
73 110 64830	-0.0260	92.92	-6.286	-12.741	-0.0297845	-0.291167	0.0038
73 110 649 0		92.02	-7.035	-14.126	-0.1759861	-0.345574	
73 110 64930	-0.3506	91.14	-7.720	-15.516	-0.3471304	-0.388648	-0.0035
73 110 65030	-0.6970	89.43	-9.139	-18.315	-0.6993935	-0.345656	0.0024
73 110 651 0		88.61	-9.842	-19.725	-0.8407646	-0.259589	
73 110 65130	-0.9350	87.82	-10.539	-21.142	-0.9339480	-0.140122	-0.0011
73 110 652 0		87.04	-11.231	-22.566	-0.9664922	0.003100	
73 110 65230	-0.9331	86.29	-11.916	-23.999	-0.9317204	0.142197	-0.0014
73 110 65330	-0.7019	84.86	-13.266	-26.889	-0.7064623	0.324375	0.0046
73 110 654 0		84.17	-13.930	-28.347	-0.5455282	0.367457	
73 110 65430	-0.3846	83.52	-14.586	-29.815	-0.3803980	0.324556	-0.0042
73 110 655 0		82.89	-15.233	-31.293	-0.2673847	0.141695	
73 110 65530	-0.2546	82.29	-15.870	-32.780	-0.2500172	-0.044115	-0.0046
73 110 65630	-0.2997	81.17	-17.116	-35.787	-0.3179021	-0.013549	0.0182
73 110 657 0		80.65	-17.723	-37.307	-0.2793668	0.202828	
73 110 65730	-0.1583	80.16	-18.318	-38.837	-0.1351371	0.389845	-0.0232
73 110 658 0		79.69	-18.902	-40.379	0.0509330	0.384081	
73 110 65830	0.2144	79.26	-19.473	-41.931	0.2047423	0.282368	0.0097
73 110 65930	0.3863	78.48	-20.576	-45.072	0.3725024	0.081589	0.0138
73 110 7 0 0		78.13	-21.107	-46.661	0.3872678	-0.017478	
73 110 7 030	0.3375	77.82	-21.622	-48.260	0.3644083	-0.064273	-0.0269
73 110 7 1 0		77.53	-22.123	-49.872	0.3438730	-0.007409	
73 110 7 130	0.3818	77.28	-22.608	-51.495	0.3612852	0.073615	0.0205
73 110 7 230	0.4397	76.86	-23.529	-54.777	0.4444595	0.069648	-0.0048
73 110 7 3 0		76.70	-23.964	-56.435	0.4591239	-0.015344	
73 110 7 330	0.4266	76.57	-24.381	-58.104	0.4326981	-0.084695	-0.0061
73 110 7 4 0		76.47	-24.780	-59.785	0.3942501	-0.067425	
73 110 7 430	0.3848	76.40	-25.160	-61.475	0.3756222	-0.016485	0.0092
73 110 7 530	0.3773	76.36	-25.862	-64.888	0.3866625	0.027543	-0.0094
73 110 7 6 0		76.38	-26.183	-66.609	0.3985249	0.020631	
73 110 7 630	0.4149	76.45	-26.484	-68.339	0.4072810	0.023911	0.0076
73 110 7 7 0		76.53	-26.764	-70.078	0.4267080	0.066858	
73 110 7 730	0.4675	76.66	-27.022	-71.824	0.4684881	0.106381	-0.0010
73 110 7 830	0.5444	76.99	-27.474	-75.339	0.5531051	0.045891	-0.0087
73 110 7 9 0		77.20	-27.667	-77.106	0.5529941	-0.054124	
73 110 7 930	0.5081	77.45	-27.838	-78.878	0.4951263	-0.206143	0.0130
73 110 710 0		77.72	-27.986	-80.656	0.3538015	-0.415659	
73 110 71030	0.1092	78.03	-28.111	-82.437	0.1153547	-0.598977	-0.0062
73 110 71130	-0.4950	78.73	-28.292	-86.007	-0.4886007	-0.635927	-0.0064
73 110 712 0		79.12	-28.348	-87.796	-0.7526367	-0.489561	
73 110 71230	-0.9240	79.55	-28.380	-89.584	-0.9365801	-0.316800	0.0126
73 110 713 0		80.00	-28.390	-91.373	-1.0539465	-0.201149	
73 110 71330	-1.1330	80.49	-28.376	-93.160	-1.1270021	-0.115966	-0.0060
73 110 71430	-1.1666	81.54	-28.279	-96.729	-1.1595526	0.042909	-0.0070
73 110 715 0		82.10	-28.196	-98.509	-1.1225836	0.116602	
73 110 71530	-1.0338	82.69	-28.090	-100.284	-1.0485462	0.212003	0.0147
73 110 716 0		83.31	-27.961	-102.055	-0.9195578	0.354649	
73 110 71630	-0.7334	83.96	-27.811	-103.819	-0.7207866	0.499182	-0.0126
73 110 71730	-0.1673	85.32	-27.443	-107.327	-0.1732390	0.657824	0.0059
73 110 718 0		86.04	-27.227	-109.071	0.1353952	0.671934	
73 110 71830	0.4313	86.79	-26.989	-110.805	0.4326325	0.591394	-0.0013
73 110 719 0		87.55	-26.731	-112.531	0.6590234	0.365027	
73 110 71930	0.7693	88.35	-26.452	-114.246	0.7692404	0.135775	0.0001
73 110 72030	0.8338	89.99	-25.835	-117.648	0.8338022	0.097436	0.0000

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REFEP = 6*0, ,

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TRANSA = 0.0000000E+00, ,

TRANSB = 0.0000000E+00, ,

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ERAD = 378172.8 ,

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ELON = -5.924089 , 2*0.0000000E+00, ,

ROTR = 8.9400001E-03, ,

DIFIT = 0.2000000 ,

CONCAC = 1.083000 ,

#END

EPOCH	DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
YYMMDDHHMMSS		Hz	Km	Deg.	Deg.	Hz	mm/s**2	Hz
73 111 6 4 0	-0.0860	159.43	26.905	97.159	-0.0859943	0.180580	0.0000	
73 111 6 5 0	0.0471	159.13	27.343	93.950	0.0469447	0.105590	0.0002	
73 111 6 530		158.93	27.534	92.336	0.0862188	0.064102		
73 111 6 6 0	0.1056	158.72	27.707	90.716	0.1063014	0.023704	-0.0007	
73 111 6 7 0	0.0976	158.21	27.996	87.462	0.0961059	-0.042557	0.0015	
73 111 6 730		157.91	28.112	85.828	0.0703012	-0.068421		
73 111 6 8 0	0.0324	157.59	28.209	84.190	0.0341489	-0.086355	-0.0017	
73 111 6 830		157.25	28.287	82.549	-0.0077407	-0.093275		
73 111 6 9 0	-0.0497	156.88	28.344	80.905	-0.0505394	-0.090849	0.0008	
73 111 610 0	-0.1232	156.07	28.401	77.612	-0.1239145	-0.062963	0.0007	
73 111 61030		155.63	28.400	75.964	-0.1474017	-0.037504		
73 111 611 0	-0.1591	155.17	28.379	74.315	-0.1573373	-0.004204	-0.0018	
73 111 61130		154.68	28.339	72.666	-0.1500517	0.037099		
73 111 612 0	-0.1225	154.17	28.278	71.018	-0.1245105	0.069117	0.0020	
73 111 613 0	-0.0617	153.08	28.099	67.726	-0.0597502	0.053440	-0.0019	
73 111 61330		152.50	27.979	66.084	-0.0450661	0.005744		
73 111 614 0	-0.0523	151.90	27.841	64.444	-0.0540247	-0.039210	0.0017	
73 111 61430		151.27	27.683	62.808	-0.0763377	-0.052107		
73 111 615 0	-0.1001	150.63	27.506	61.175	-0.0990424	-0.044885	-0.0011	
73 111 616 0	-0.1249	149.28	27.094	57.924	-0.1250029	-0.005889	0.0001	
73 111 61630		148.58	26.860	56.306	-0.1207022	-0.025884		
73 111 617 0	-0.1006	147.85	26.608	54.694	-0.1009311	0.058772	0.0003	
73 111 61730		147.11	26.338	53.088	-0.0673507	0.085706		
73 111 618 0	-0.0225	146.35	26.050	51.488	-0.0227884	0.106176	0.0003	
73 111 619 0	0.0852	144.78	25.420	48.310	0.0866404	0.126198	-0.0014	
73 111 61930		143.96	25.080	46.731	0.1450686	0.125750		
73 111 620 0	0.2039	143.13	24.722	45.160	0.2020748	0.120893	0.0018	
73 111 62030		142.29	24.349	43.597	0.2564119	0.114188		
73 111 621 0	0.3048	141.43	23.958	42.042	0.3053406	0.093377	-0.0005	
73 111 622 0	0.3423	139.66	23.131	38.956	0.3439437	-0.027339	-0.0016	
73 111 62230		138.76	22.695	37.426	0.3092739	-0.127245		
73 111 623 0	0.2284	137.84	22.243	35.904	0.2257671	-0.231594	0.0026	
73 111 62330		136.91	21.777	34.390	0.0981186	-0.318467		
73 111 624 0	-0.0641	135.97	21.297	32.885	-0.0629238	-0.370453	-0.0012	
73 111 625 0	-0.3982	134.05	20.296	29.900	-0.3966527	-0.317540	-0.0015	
73 111 62530		133.08	19.776	28.419	-0.5210516	-0.212640		
73 111 626 0	-0.5833	132.10	19.244	26.947	-0.5863933	-0.064834	0.0031	
73 111 62630		131.11	18.699	25.483	-0.5757588	0.116489		
73 111 627 0	-0.4831	130.11	18.142	24.027	-0.4806723	0.285854	-0.0024	
73 111 628 0	-0.1215	128.09	16.995	21.138	-0.1222089	0.452290	0.0007	

73 111 62830		127.07	16.406	19.705	0.0881376	0.449359		
73 111 629 0	0.2847	126.04	15.806	18.279	0.2841922	0.391067	0.0005	
73 111 62930		125.01	15.196	16.860	0.4410321	0.279481		
73 111 630 0	0.5380	123.98	14.576	15.447	0.5389608	0.146495	-0.0010	
73 111 631 0	0.5639	121.90	13.311	12.641	0.5627359	-0.088004	0.0012	
73 111 63130		120.86	12.666	11.246	0.4982695	-0.189516		
73 111 632 0	0.3932	119.81	12.012	9.858	0.3945445	-0.246840	-0.0013	
73 111 63230		118.77	11.351	8.474	0.2823337	-0.226277		
73 111 633 0	0.1923	117.72	10.683	7.095	0.1907278	-0.172456	0.0016	
73 111 634 0	0.0671	115.64	9.328	4.351	0.0689368	-0.098924	-0.0018	
73 111 63430		114.60	8.641	2.985	0.0282530	-0.079213		
73 111 635 0	-0.0040	113.57	7.948	1.622	-0.0055412	-0.068180	0.0015	
73 111 63530		112.54	7.250	0.262	-0.0356233	-0.063133		
73 111 636 0	-0.0625	111.51	6.548	-1.095	-0.0626763	-0.050551	0.0002	
73 111 637 0	-0.0778	109.47	5.130	-3.802	-0.0750557	0.037773	-0.0027	
73 111 63730		108.46	4.415	-5.153	-0.0409419	0.113517		
73 111 638 0	0.0305	107.46	3.698	-6.503	0.0268305	0.170217	0.0037	
73 111 63830		106.47	2.977	-7.853	0.1071282	0.167776		
73 111 639 0	0.1749	105.48	2.254	-9.202	0.1759923	0.127932	-0.0011	
73 111 640 0	0.2371	103.54	0.802	-11.901	0.2404543	0.001249	-0.0034	
73 111 64030		102.59	0.075	-13.251	0.2215873	-0.085591		
73 111 641 0	0.1680	101.65	-0.654	-14.603	0.1626280	-0.164598	0.0054	
73 111 64130		100.72	-1.383	-15.957	0.0744257	-0.212272		
73 111 642 0	-0.0327	99.80	-2.112	-17.313	-0.0302812	-0.239837	-0.0024	
73 111 643 0	-0.2707	98.01	-3.568	-20.032	-0.2676153	-0.268305	-0.0031	
73 111 64330		97.14	-4.294	-21.397	-0.3920368	-0.269208		
73 111 644 0	-0.5062	96.28	-5.019	-22.766	-0.5118742	-0.242057	0.0057	
73 111 64430		95.44	-5.741	-24.139	-0.6082758	-0.167684		
73 111 645 0	-0.6657	94.61	-6.461	-25.517	-0.6633627	-0.071578	-0.0023	
73 111 646 0	-0.6488	93.02	-7.891	-28.289	-0.6447601	0.109368	-0.0040	
73 111 64630		92.25	-8.600	-29.683	-0.5745384	0.194207		
73 111 647 0	-0.4619	91.50	-9.305	-31.084	-0.4695804	0.252123	0.0077	
73 111 64730		90.77	-10.005	-32.491	-0.3494471	0.259946		
73 111 648 0	-0.2414	90.05	-10.699	-33.906	-0.2352095	0.231035	-0.0062	
73 111 649 0	-0.0715	88.70	-12.070	-36.759	-0.0737602	0.103079	0.0023	
73 111 64930		88.06	-12.746	-38.197	-0.0481344	0.004035		
73 111 650 0	-0.0669	87.43	-13.414	-39.644	-0.0675564	-0.078908	0.0007	
73 111 65030		86.83	-14.075	-41.100	-0.1124420	-0.106273		
73 111 651 0	-0.1616	86.25	-14.727	-42.565	-0.1594113	-0.092871	-0.0022	
73 111 652 0	-0.2015	85.17	-16.004	-45.525	-0.2048295	0.011799	0.0033	
73 111 65230		84.67	-16.629	-47.020	-0.1793122	0.103068		
73 111 653 0	-0.1134	84.19	-17.243	-48.526	-0.1104726	0.189060	-0.0029	
73 111 65330		83.74	-17.845	-50.042	-0.0103604	0.238542		
73 111 654 0	0.1038	83.30	-18.437	-51.569	0.1049716	0.256731	-0.0012	
73 111 655 0	0.3382	82.53	-19.584	-54.657	0.3307312	0.214881	0.0075	
73 111 65530		82.18	-20.137	-56.218	0.4170813	0.154842		
73 111 656 0	0.4627	81.86	-20.678	-57.790	0.4733987	0.092805	-0.0107	
73 111 65630		81.57	-21.204	-59.374	0.5061719	0.052848		
73 111 657 0	0.5327	81.30	-21.716	-60.970	0.5247496	0.029480	0.0080	
73 111 658 0	0.5401	80.85	-22.693	-64.196	0.5423453	0.016030	-0.0022	
73 111 65830		80.67	-23.158	-65.827	0.5516087	0.025948		
73 111 659 0	0.5660	80.51	-23.606	-67.469	0.5667322	0.038642	-0.0007	
73 111 65930		80.39	-24.037	-69.122	0.5864358	0.045790		
73 111 7 0 0	0.6063	80.28	-24.450	-70.786	0.6079649	0.046130	-0.0017	
73 111 7 1 0	0.6489	80.17	-25.221	-74.147	0.6421812	0.022604	0.0067	
73 111 7 130		80.17	-25.578	-75.842	0.6474179	-0.001263		
73 111 7 2 0	0.6213	80.18	-25.915	-77.548	0.6308717	-0.091042	-0.0096	
73 111 7 230		80.23	-26.233	-79.263	0.5443081	-0.304578		
73 111 7 3 0	0.3567	80.30	-26.530	-80.987	0.3484555	-0.525787	0.0082	
73 111 7 4 0	-0.2294	80.53	-27.062	-84.460	-0.2245076	-0.642977	-0.0049	
73 111 7 430		80.69	-27.295	-86.207	-0.5015166	-0.538958		
73 111 7 5 0	-0.7135	80.87	-27.507	-87.962	-0.7155028	-0.391679	0.0020	
73 111 7 530		81.09	-27.697	-89.722	-0.8665472	-0.266294		
73 111 7 6 0	-0.9634	81.33	-27.865	-91.488	-0.9642114	-0.159254	0.0008	
73 111 7 7 0	-1.0324	81.90	-28.133	-95.032	-1.0283682	0.010424	-0.0040	
73 111 7 730		82.22	-28.233	-96.809	-1.0085266	0.073063		

73 111 7 8 0 -0.9536 82.57 -28.310 -98.589 -0.9593477 0.145817 0.0057
73 111 7 830 82.95 -28.364 -100.369 -0.8684939 0.253600
73 111 7 9 0 -0.7284 83.36 -28.395 -102.151 -0.7237456 0.370726 -0.0047
73 111 710 0 -0.2887 84.24 -28.388 -105.713 -0.2908852 0.555956 0.0022
73 111 71030 84.73 -28.350 -107.491 -0.0178617 0.624059
73 111 711 0 0.2701 85.23 -28.288 -109.268 0.2705902 0.596276 -0.0005
73 111 71130 85.77 -28.205 -111.040 0.5057188 0.393063
73 111 712 0 0.6314 86.32 -28.098 -112.809 0.6313781 0.175873 0.0000
73 111 713 0 0.7521 87.50 -27.818 -116.330 0.7521008 0.183932 0.0000

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ELON = -5.360886, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DTEIT = 0.2000000
CONFAC = 1.083000

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EPOCH DATE	RESIDUAL	ALTITUDE	LATITUDE	LONGITUDE	FIT DATA	FIT ACCEL	RES/FIT
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73 112 55629	0.0391	158.77	24.565	96.969	0.0391019	0.170714	0.0000
73 112 55729	0.1852	158.89	25.269	93.878	0.1851474	0.131840	0.0001
73 112 55759		158.92	25.597	92.319	0.2351667	0.081398	
73 112 55829	0.2593	158.91	25.909	90.752	0.2595374	0.025953	-0.0002
73 112 55929	0.2443	158.83	26.481	87.595	0.2437962	-0.052938	0.0005
73 112 55959		158.75	26.742	86.004	0.2135328	-0.076385	
73 112 6 029	0.1740	158.64	26.984	84.407	0.1745455	-0.091512	-0.0005
73 112 6 059		158.51	27.209	82.802	0.1299530	-0.100667	
73 112 6 129	0.0829	158.35	27.415	81.192	0.0828237	-0.101828	0.0001
73 112 6 229	-0.0008	157.96	27.773	77.952	-0.0014870	-0.074113	0.0007
73 112 6 259		157.72	27.923	76.325	-0.024231	-0.045237	
73 112 6 329	-0.0433	157.46	28.055	74.693	-0.0421015	-0.008852	-0.0012
73 112 6 359		157.18	28.167	73.056	-0.0368267	0.032536	
73 112 6 429	-0.0122	156.87	28.260	71.416	-0.0135096	0.064498	0.0013
73 112 6 529	0.0486	156.18	28.387	68.127	0.0498562	0.056848	-0.0013
73 112 6 559		155.80	28.421	66.480	0.0678758	0.017237	
73 112 6 629	0.0667	155.39	28.435	64.831	0.0657534	-0.022495	0.0009
73 112 6 659		154.96	28.430	63.181	0.0507392	-0.038611	
73 112 6 729	0.0324	154.51	28.405	61.530	0.0323316	-0.040238	0.0001
73 112 6 829	-0.0021	153.53	28.295	58.231	-0.0005486	-0.027407	-0.0016
73 112 6 859		153.01	28.211	56.583	-0.0100706	-0.012949	
73 112 6 929	-0.0096	152.47	28.106	54.938	-0.0122005	0.003489	0.0026
73 112 6 959		151.90	27.983	53.294	-0.0070645	0.018526	
73 112 61029	0.0014	151.31	27.839	51.654	0.0044337	0.030494	-0.0030
73 112 61129	0.0418	150.07	27.495	48.385	0.0385380	0.040217	0.0033
73 112 61159		149.42	27.294	46.757	0.0567692	0.037971	
73 112 61229	0.0698	148.75	27.075	45.134	0.0729099	0.031247	-0.0031
73 112 61259		148.06	26.837	43.517	0.0849718	0.020302	
73 112 61329	0.0915	147.35	26.580	41.905	0.0894628	-0.004895	0.0020
73 112 61429	0.0351	145.88	26.013	38.700	0.0355147	-0.128147	-0.0004
73 112 615 0		145.10	25.697	37.082	-0.0471154	-0.228062	

73 112 61530	-0.1802	144.31	25.363	35.471	-0.1797071	-0.335274	-0.0005
73 112 616 0		143.51	25.018	33.893	-0.3569061	-0.430575	
73 112 61630	-0.5710	142.70	24.656	32.324	-0.5710796	-0.485606	0.0001
73 112 61730	-0.9935	141.02	23.882	29.209	-0.9944419	-0.384457	0.0009
73 112 618 0		140.16	23.472	27.664	-1.1396046	-0.228242	
73 112 61830	-1.1982	139.28	23.046	26.127	-1.1971855	-0.019912	-0.0010
73 112 619 0		138.40	22.605	24.598	-1.1617473	0.222378	
73 112 61930	-0.9943	137.50	22.149	23.078	-0.9931571	0.456296	-0.0011
73 112 62030	-0.4057	135.66	21.195	20.063	-0.4102618	0.772559	0.0046
73 112 621 0		134.72	20.697	18.569	-0.0325923	0.854879	
73 112 62130	0.3605	133.77	20.186	17.082	0.3664516	0.855031	-0.0060
73 112 622 0		132.82	19.662	15.604	0.7393932	0.741387	
73 112 62230	1.0437	131.85	19.126	14.134	1.0406040	0.559986	0.0031
73 112 62330	1.3687	129.89	18.017	11.219	1.3666760	0.131756	0.0020
73 112 624 0		128.90	17.445	9.773	1.3713642	-0.115082	
73 112 62430	1.2630	127.90	16.863	8.334	1.2682759	-0.310947	-0.0053
73 112 625 0		126.90	16.270	6.903	1.1032622	-0.383191	
73 112 62530	0.9295	125.89	15.667	5.479	0.9241737	-0.392276	0.0053
73 112 62630	0.5524	123.86	14.432	2.652	0.5564055	-0.402555	-0.0040
73 112 627 0		122.84	13.800	1.248	0.3701541	-0.403748	
73 112 62730	0.1878	121.81	13.161	-0.150	0.1850507	-0.395513	0.0027
73 112 628 0		120.79	12.513	-1.542	0.0074516	-0.371047	
73 112 62830	-0.1546	119.76	11.857	-2.929	-0.1533395	-0.319142	-0.0013
73 112 62930	-0.3590	117.70	10.523	-5.688	-0.3584343	-0.099313	-0.0006
73 112 630 0		116.68	9.846	-7.060	-0.3670067	0.068629	
73 112 63030	-0.2990	115.65	9.163	-8.428	-0.3007122	0.199959	0.0017
73 112 631 0		114.63	8.474	-9.793	-0.1995750	0.219469	
73 112 63130	-0.1083	113.61	7.780	-11.154	-0.1065712	0.183681	-0.0017
73 112 63230	0.0326	111.58	6.376	-13.867	0.0313345	0.115858	0.0013
73 112 633 0		110.57	5.668	-15.221	0.0773863	0.083823	
73 112 63330	0.1059	109.57	4.955	-16.572	0.1068161	0.039313	-0.0009
73 112 634 0		108.58	4.240	-17.922	0.1096433	-0.031439	
73 112 63430	0.0779	107.59	3.521	-19.271	0.0771662	-0.106262	0.0007
73 112 63530	-0.0712	105.64	2.075	-21.967	-0.0706032	-0.201772	-0.0006
73 112 636 0		104.68	1.349	-23.315	-0.1692373	-0.222450	
73 112 63630	-0.2711	103.73	0.622	-24.664	-0.2716841	-0.215057	0.0006
73 112 637 0		102.79	-0.106	-26.014	-0.3619485	-0.169571	
73 112 63730	-0.4258	101.86	-0.836	-27.365	-0.4249508	-0.102556	-0.0008
73 112 63830	-0.4511	100.04	-2.294	-30.073	-0.4523827	0.046468	0.0013
73 112 639 0		99.15	-3.023	-31.431	-0.4121851	0.128479	
73 112 63930	-0.3398	98.27	-3.750	-32.792	-0.3380660	0.182482	-0.0017
73 112 640 0		97.41	-4.477	-34.157	-0.2530712	0.175503	
73 112 64030	-0.1782	96.56	-5.201	-35.525	-0.1805963	0.138720	0.0024
73 112 64130	-0.0882	94.92	-6.643	-38.276	-0.0849663	0.069333	-0.0032
73 112 642 0		94.12	-7.359	-39.659	-0.0605366	0.036715	
73 112 64230	-0.0488	93.34	-8.071	-41.048	-0.0520789	-0.002507	0.0033
73 112 643 0		92.58	-8.780	-42.443	-0.0651057	-0.056355	
73 112 64330	-0.1040	91.84	-9.484	-43.844	-0.1025071	-0.099782	-0.0015
73 112 64430	-0.1979	90.41	-10.877	-46.667	-0.1965707	-0.080333	-0.0013
73 112 645 0		89.73	-11.564	-48.090	-0.2205072	-0.017439	
73 112 64530	-0.2092	89.07	-12.245	-49.521	-0.2116447	0.052174	0.0024
73 112 646 0		88.43	-12.920	-50.960	-0.1757065	0.099828	
73 112 64630	-0.1227	87.82	-13.586	-52.408	-0.1227280	0.126314	0.0000
73 112 64730	-0.0079	86.65	-14.896	-55.332	-0.0035445	0.118277	-0.0044
73 112 648 0		86.10	-15.537	-56.808	0.0438786	0.083743	
73 112 64830	0.0831	85.58	-16.169	-58.294	0.0775737	0.073839	0.0055
73 112 649 0		85.08	-16.792	-59.790	0.1227719	0.133538	
73 112 64930	0.2030	84.60	-17.403	-61.297	0.2026920	0.205065	0.0003
73 112 65030	0.3986	83.73	-18.593	-64.344	0.4086213	0.210360	-0.0100
73 112 651 0		83.33	-19.170	-65.883	0.4922238	0.144106	
73 112 65130	0.5568	82.96	-19.734	-67.435	0.5414993	0.076621	0.0153
73 112 652 0		82.61	-20.286	-68.997	0.5696533	0.052569	
73 112 65230	0.5814	82.29	-20.823	-70.571	0.5935206	0.051132	-0.0121
73 112 65330	0.6461	81.73	-21.855	-73.754	0.6413183	0.053580	0.0048
73 112 654 0		81.49	-22.348	-75.364	0.6668872	0.057466	
73 112 65430	0.6824	81.28	-22.826	-76.984	0.6813663	-0.023222	0.0010

73 112 655 0		81.09	-23.287	-78.617	0.6191162	-0.274914	
73 112 65530	0.4197	80.94	-23.732	-80.260	0.4250174	-0.543025	-0.0053
73 112 65630	-0.1657	80.71	-24.568	-83.961	-0.1752935	-0.665225	0.0096
73 112 657 0		80.64	-24.959	-85.258	-0.4540636	-0.519247	
73 112 65730	-0.6587	80.59	-25.331	-86.945	-0.6474243	-0.325596	-0.0113
73 112 658 0		80.57	-25.684	-88.643	-0.7612474	-0.174531	
73 112 65830	-0.8070	80.59	-26.017	-90.350	-0.8146573	-0.062895	0.0077
73 112 65930	-0.8098	80.69	-26.623	-93.792	-0.8085963	0.051912	-0.0012
73 112 7 0 0		80.79	-26.895	-95.526	-0.7825065	0.055066	
73 112 7 030	-0.7584	80.91	-27.146	-97.267	-0.7554940	0.072882	-0.0029
73 112 7 1 0		81.07	-27.375	-99.016	-0.7051232	0.156218	
73 112 7 130	-0.6032	81.24	-27.583	-100.772	-0.6062133	0.272323	0.0030
73 112 7 230	-0.2489	81.69	-27.931	-104.300	-0.2474686	0.504764	-0.0014
73 112 7 3 0		81.95	-28.072	-106.071	0.0124552	0.621100	
73 112 7 330	0.3133	82.24	-28.189	-107.845	0.3129787	0.652669	0.0003
73 112 7 4 0		82.55	-28.284	-109.623	0.5889995	0.514636	
73 112 7 430	0.7796	82.89	-28.356	-111.403	0.7796144	0.320893	0.0000
73 112 7 530	0.9596	83.66	-28.431	-114.966	0.9595994	0.107699	0.0000

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ELON = -4.507648, 2*0.0000000E+00,

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DRFIT = 0.2000000

CONCAC = 1.083000

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73 113 54730	-0.0152	159.16	19.970	100.561	-0.0152092	0.240312	0.0000	
73 113 54830	0.1690	159.86	20.972	97.669	0.1692473	0.164167	-0.0002	
73 113 549 0		160.17	21.454	96.209	0.2385352	0.137224		
73 113 54930	0.2972	160.46	21.924	94.741	0.2960832	0.111115	0.0011	
73 113 55030	0.3660	160.94	22.824	91.777	0.36683791	0.041543	-0.0024	
73 113 551 0		161.15	23.257	90.281	0.3778164	-0.001719		
73 113 55130	0.3696	161.32	23.668	88.775	0.3668065	-0.044984	0.0028	
73 113 552 0		161.47	24.068	87.261	0.3371952	-0.082301		
73 113 55230	0.2907	161.59	24.453	85.738	0.2920772	-0.111403	-0.0014	
73 113 55330	0.1726	161.75	25.178	82.664	0.1736339	-0.138157	-0.0010	
73 113 554 0		161.79	25.516	81.115	0.1099884	-0.135809		
73 113 55430	0.0525	161.80	25.838	79.556	0.0502007	-0.120677	0.0023	
73 113 555 0		161.78	26.143	77.990	0.0008815	-0.090460		
73 113 55530	-0.0335	161.74	26.432	76.415	-0.0321625	-0.052679	-0.0013	
73 113 55630	-0.0466	161.56	26.957	73.243	-0.0458740	0.023008	-0.0007	
73 113 557 0		161.44	27.193	71.646	-0.0265027	0.060915		
73 113 55730	0.0091	161.28	27.411	70.043	0.0070677	0.077346	0.0020	
73 113 558 0		161.10	27.611	68.433	0.0382991	0.050783		
73 113 55830	0.0496	160.89	27.792	66.817	0.0516165	0.009001	-0.0020	
73 113 55930	0.0363	160.39	28.098	63.569	0.0348722	-0.036898	0.0014	
73 113 6 0 0		160.10	28.223	61.938	0.0164036	-0.041015		
73 113 6 030	-0.0026	159.78	28.338	60.304	-0.0017291	-0.036877	-0.0009	

73 113 6 1 0		159.44	28.414	58.665	-0.0170387	-0.028785	
73 113 6 130	-0.0277	159.07	28.480	57.024	-0.0279148	-0.018138	0.0002
73 113 6 230	-0.0330	158.25	28.554	53.734	-0.0335847	0.006628	0.0006
73 113 6 3 0		157.80	28.562	52.087	-0.0273104	0.020746	
73 113 6 330	-0.0161	157.33	28.549	50.440	-0.0151014	0.030494	-0.0010
73 113 6 4 0		156.83	28.517	48.792	-0.0006761	0.030347	
73 113 6 430	0.0126	156.31	28.465	47.145	0.0119224	0.023719	0.0007
73 113 6 530	0.0244	155.19	28.302	43.853	0.0243995	0.001262	0.0000
73 113 6 6 0		154.60	28.190	42.211	0.0214465	-0.014566	
73 113 6 630	0.0075	153.98	28.060	40.571	0.0077736	-0.051034	-0.0003
73 113 6 7 0		153.34	27.910	38.934	-0.0315574	-0.125717	
73 113 6 730	-0.1111	152.68	27.740	37.301	-0.1107866	-0.216503	-0.0003
73 113 6 830	-0.3867	151.28	27.344	34.047	-0.3880573	-0.380061	0.0014
73 113 6 9 0		150.56	27.118	32.428	-0.5805538	-0.452833	
73 113 6 930	-0.7998	149.81	26.873	30.814	-0.7978621	-0.471519	-0.0019
73 113 610 0		149.04	26.609	29.207	-1.0002135	-0.388040	
73 113 61030	-1.1446	148.25	26.328	27.605	-1.1462414	-0.240090	0.0016
73 113 61130	-1.2034	146.61	25.712	24.422	-1.2024763	0.136137	-0.0009
73 113 612 0		145.77	25.378	22.842	-1.0879591	0.364414	
73 113 61230	-0.8680	144.90	25.026	21.269	-0.8684607	0.576639	0.0005
73 113 613 0		144.02	24.658	19.703	-0.5645741	0.729983	
73 113 61330	-0.2040	143.13	24.274	18.146	-0.2035636	0.823928	-0.0004
73 113 61430	0.5800	141.28	23.457	15.055	0.5794157	0.832060	0.0006
73 113 615 0		140.34	23.026	13.522	0.9460579	0.746248	
73 113 61530	1.2571	139.38	22.579	11.998	1.2575313	0.589344	-0.0004
73 113 616 0		138.41	22.118	10.482	1.4775737	0.350177	
73 113 61630	1.5781	137.42	21.642	8.974	1.5785987	0.096242	-0.0005
73 113 61730	1.4917	135.42	20.650	5.984	1.4897932	-0.253443	0.0019
73 113 618 0		134.40	20.133	4.501	1.3486515	-0.349194	
73 113 61830	1.1710	133.36	19.604	3.027	1.1737477	-0.403444	-0.0027
73 113 619 0		132.33	19.063	1.561	0.9807856	-0.427422	
73 113 61930	0.7840	131.27	18.509	0.103	0.7814241	-0.436187	0.0026
73 113 62030	0.3688	129.15	17.367	-2.790	0.3707373	-0.453259	-0.0019
73 113 621 0		128.08	16.780	-4.225	0.1595528	-0.461566	
73 113 62130	-0.0485	126.99	16.182	-5.653	-0.0498344	-0.433350	0.0013
73 113 622 0		125.91	15.573	-7.074	-0.2293673	-0.332237	
73 113 62230	-0.3535	124.82	14.956	-8.488	-0.3528888	-0.206948	-0.0006
73 113 62330	-0.4550	122.63	13.692	-11.297	-0.4547260	-0.029992	-0.0003
73 113 624 0		121.53	13.048	-12.692	-0.4557020	-0.021674	
73 113 62430	-0.4377	120.43	12.395	-14.082	-0.4384145	0.049289	0.0007
73 113 625 0		119.33	11.734	-15.466	-0.4138166	0.053343	
73 113 62530	-0.3913	118.22	11.066	-16.846	-0.3910078	0.045389	-0.0003
73 113 62630	-0.3575	116.01	9.709	-19.591	-0.3569300	0.028121	-0.0006
73 113 627 0		114.92	9.022	-20.957	-0.3460801	0.018806	
73 113 62730	-0.3378	113.82	8.328	-22.321	-0.3390295	0.012974	0.0012
73 113 628 0		112.73	7.629	-23.680	-0.3329586	0.014562	
73 113 62830	-0.3263	111.63	6.925	-25.037	-0.3246509	0.022210	-0.0016
73 113 62930	-0.2900	109.47	5.503	-27.744	-0.2920173	0.051608	0.0020
73 113 630 0		108.40	4.786	-29.094	-0.2633514	0.073357	
73 113 63030	-0.2267	107.33	4.066	-30.444	-0.2248352	0.091515	-0.0019
73 113 631 0		106.28	3.342	-31.792	-0.1806789	0.097791	
73 113 63130	-0.1348	105.23	2.616	-33.140	-0.1352489	0.099455	0.0004
73 113 63230	-0.0373	103.16	1.158	-35.837	-0.0390137	0.110763	0.0017
73 113 633 0		102.15	0.426	-37.186	-0.0142473	0.120407	
73 113 63330	0.0689	101.14	-0.306	-38.536	0.0715725	0.126200	-0.0027
73 113 634 0		100.15	-1.040	-39.888	0.1291810	0.121633	
73 113 63430	0.1826	99.17	-1.773	-41.243	0.1814313	0.101129	0.0012
73 113 63530	0.2343	97.25	-3.239	-43.959	0.2326989	-0.004428	0.0016
73 113 636 0		96.32	-3.971	-45.322	0.2118490	-0.089480	
73 113 63630	0.1493	95.39	-4.701	-46.689	0.1521232	-0.161233	-0.0028
73 113 637 0		94.50	-5.429	-48.059	0.0703777	-0.184869	
73 113 63730	-0.0122	93.61	-6.155	-49.435	-0.0130445	-0.172549	0.0008
73 113 63830	-0.1326	91.89	-7.597	-52.202	-0.1353592	-0.076520	0.0028
73 113 639 0		91.07	-8.313	-53.594	-0.1522789	0.007190	
73 113 63930	-0.1391	90.25	-9.025	-54.992	-0.1353150	0.048047	-0.0038
73 113 640 0		89.47	-9.732	-56.397	-0.1247657	-0.020598	

73 113 64030	-0.1574	88.70	-10.434	-57.809	-0.1565084	-0.103371	-0.0009
73 113 64130	-0.2322	87.23	-11.821	-60.657	-0.2408672	-0.025187	0.0087
73 113 642 0		86.53	-12.504	-62.092	-0.2184660	0.135770	
73 113 64230	-0.1289	85.85	-13.181	-63.537	-0.1171172	0.286234	-0.0118
73 113 643 0		85.20	-13.850	-64.990	0.0300984	0.334465	
73 113 64330	0.1866	84.57	-14.511	-66.453	0.1815075	0.316367	0.0051
73 113 64430	0.4310	83.39	-15.807	-69.408	0.4241391	0.188888	0.0069
73 113 645 0		82.84	-16.440	-70.900	0.4872659	0.079506	
73 113 64530	0.4886	82.31	-17.063	-72.404	0.5034060	0.008163	-0.0148
73 113 646 0		81.82	-17.676	-73.918	0.5111940	0.043325	
73 113 64630	0.5585	81.34	-18.277	-75.443	0.5422623	0.071024	0.0162
73 113 64730	0.4876	80.48	-19.444	-78.528	0.5026094	-0.237866	-0.0150
73 113 648 0		80.09	-20.008	-80.087	0.3197648	-0.574455	
73 113 64830	0.0015	79.73	-20.559	-81.658	-0.0099696	-0.795051	0.0115
73 113 649 0		79.40	-21.095	-83.241	-0.3599663	-0.662231	
73 113 64930	-0.5990	79.09	-21.618	-84.836	-0.5976161	-0.745459	-0.0014
73 113 65030	-0.7379	78.57	-22.617	-88.061	-0.7248933	0.069739	-0.0130
73 113 651 0		78.37	-23.092	-89.691	-0.6548644	0.226345	
73 113 65130	-0.5121	78.18	-23.551	-91.333	-0.5319070	0.278908	0.0198
73 113 652 0		78.03	-23.992	-92.986	-0.4226311	0.167077	
73 113 65230	-0.3954	77.90	-24.417	-94.651	-0.3839677	0.014095	-0.0114
73 113 65330	-0.4285	77.74	-25.209	-98.014	-0.4237788	-0.045598	-0.0047
73 113 654 0		77.71	-25.577	-99.711	-0.4264540	0.047691	
73 113 65430	-0.3543	77.70	-25.926	-101.420	-0.3687566	0.212369	0.0145
73 113 655 0		77.73	-26.254	-103.136	-0.2210216	0.437733	
73 113 65530	0.0189	77.78	-26.562	-104.864	0.0315452	0.637860	-0.0126
73 113 65630	0.6913	77.99	-27.115	-108.343	0.6855593	0.704627	0.0057
73 113 65730	1.1948	78.31	-27.582	-111.854	1.1959388	0.326747	-0.0011

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73 114 54028	0.1299	158.30	16.413	98.076	0.1298969	0.143962	0.0000
73 114 54128	0.2281	159.24	17.562	95.302	0.2281833	0.074950	-0.0001
73 114 54158		159.67	18.121	93.903	0.2576049	0.053995	
73 114 54228	0.2786	160.08	18.671	92.496	0.2782246	0.034228	0.0004
73 114 54328	0.2836	160.82	19.737	89.657	0.2843860	-0.025332	-0.0008
73 114 54358		161.14	20.253	88.224	0.2637585	-0.065128	
73 114 54428	0.2254	161.44	20.757	86.132	0.2247902	-0.101429	0.0006
73 114 54458		161.72	21.249	85.331	0.1721999	-0.124089	
73 114 54528	0.1127	161.96	21.729	83.871	0.1116908	-0.137143	0.0010
73 114 54628	-0.0245	162.37	22.649	80.923	-0.0210141	-0.146593	-0.0035
73 114 54658		162.53	23.089	79.435	-0.0808827	-0.142987	
73 114 54728	-0.1453	162.66	23.515	77.937	-0.1499840	-0.119502	0.0047

73 114 54758		162.76	23.926	76.431	-0.1931570	-0.061797	
73 114 54828	-0.2094	162.84	24.323	74.915	-0.2060653	0.002307	-0.0033
73 114 54928	-0.1671	162.91	25.070	71.855	-0.1677770	0.066365	0.0007
73 114 54958		162.90	25.421	70.312	-0.1363240	0.066307	
73 114 55028	-0.1084	162.86	25.755	68.760	-0.1095996	0.046438	0.0012
73 114 55058		162.80	26.073	67.199	-0.0962551	0.008323	
73 114 55128	-0.1038	162.70	26.374	65.630	-0.1018838	-0.029614	-0.0019
73 114 55228	-0.1420	162.43	26.925	62.468	-0.1442475	-0.049759	0.0022
73 114 55258		162.25	27.174	60.875	-0.1638288	-0.031959	
73 114 55328	-0.1750	162.05	27.405	59.276	-0.1727095	-0.007339	-0.0023
73 114 55358		161.81	27.618	57.669	-0.1713614	0.012356	
73 114 55428	-0.1601	161.55	27.812	56.056	-0.1618240	0.028658	0.0017
73 114 55528	-0.1231	160.95	28.145	52.813	-0.1222922	0.055739	-0.0008
73 114 55558		160.60	28.283	51.184	-0.0939961	0.066517	
73 114 55628	-0.0614	160.23	28.402	49.550	-0.0613291	0.072386	0.0002
73 114 55658		159.83	28.501	47.912	-0.0283842	0.070284	
73 114 55728	0.0021	159.41	28.581	46.270	0.0023264	0.062058	-0.0002
73 114 55828	0.0479	158.49	28.681	42.979	0.0474217	0.032766	0.0005
73 114 55858		157.98	28.702	41.331	0.0578518	0.011698	
73 114 55928	0.0540	157.46	28.702	39.681	0.0548652	-0.031204	-0.0009
73 114 55958		156.90	28.683	38.031	0.0229675	-0.113530	
73 114 6 028	-0.0500	156.33	28.644	36.380	-0.0516994	-0.207178	0.0017
73 114 6 128	-0.3143	155.10	28.506	33.082	-0.3114599	-0.344310	-0.0028
73 114 6 158		154.45	28.407	31.434	-0.4811214	-0.387785	
73 114 6 228	-0.6583	153.78	28.289	29.789	-0.6614582	-0.378851	0.0032
73 114 6 258		153.09	28.150	28.147	-0.8173755	-0.281815	
73 114 6 328	-0.9154	152.37	27.993	26.508	-0.9137251	-0.133054	-0.0017
73 114 6 428	-0.8834	150.87	27.619	23.243	-0.8826042	-0.210736	-0.0008
73 114 6 458		150.09	27.404	21.617	-0.7408646	0.405774	
73 114 6 528	-0.5093	149.29	27.169	19.996	-0.5112700	0.579193	0.0020
73 114 6 558		148.46	26.916	18.381	-0.2150574	0.694080	
73 114 6 628	0.1200	147.62	26.645	16.772	0.1205331	0.749985	-0.0005
73 114 6 728	0.7985	145.89	26.047	13.573	0.8007289	0.683748	-0.0022
73 114 6 758		144.98	25.722	11.984	1.0905198	0.561578	
73 114 6 828	1.3157	144.07	25.379	10.403	1.3120979	0.392745	0.0036
73 114 6 858		143.14	25.020	8.829	1.4479060	0.189830	
73 114 6 928	1.4856	142.20	24.643	7.263	1.4877990	-0.010462	-0.0022
73 114 61028	1.3348	140.26	23.841	4.155	1.3353939	-0.293519	-0.0006
73 114 61058		139.26	23.417	2.614	1.1792532	-0.376266	
73 114 61128	0.9940	138.26	22.976	1.081	0.9920157	-0.432720	0.0020
73 114 61158		137.24	22.521	-0.444	0.7817455	-0.475833	
73 114 61228	0.5550	136.21	22.051	-1.960	0.5555672	-0.500008	-0.0006
73 114 61328	0.0957	134.11	21.069	-4.967	0.0979528	-0.474848	-0.0023
73 114 61358		133.05	20.557	-6.458	-0.1108525	-0.425501	
73 114 61428	-0.2889	131.98	20.032	-7.940	-0.2925060	-0.360320	0.0036
73 114 61458		130.89	19.494	-9.414	-0.4424436	-0.287932	
73 114 61528	-0.5595	129.81	18.944	-10.880	-0.5575139	-0.209936	-0.0020
73 114 61628	-0.6761	127.60	17.808	-13.788	-0.6749588	-0.041741	-0.0011
73 114 61658		126.49	17.222	-15.231	-0.6735639	0.048460	
73 114 61728	-0.6311	125.38	16.626	-16.666	-0.6338191	0.115267	0.0027
73 114 61758		124.25	16.020	-18.094	-0.5749472	0.131262	
73 114 61828	-0.5176	123.13	15.403	-19.515	-0.5163848	0.122769	-0.0012
73 114 61928	-0.4107	120.88	14.142	-22.336	-0.4088734	0.111335	-0.0018
73 114 61958		119.74	13.497	-23.738	-0.3582160	0.108395	
73 114 62028	-0.3051	118.61	12.844	-25.133	-0.3085186	0.107190	0.0034
73 114 62058		117.48	12.183	-26.523	-0.2589915	0.107605	
73 114 62128	-0.2113	116.35	11.515	-27.908	-0.2091387	0.108162	-0.0022
73 114 62228	-0.1107	114.10	10.156	-30.663	-0.1101853	0.105283	-0.0005
73 114 62258		112.97	9.466	-32.034	-0.0623147	0.101845	
73 114 62328	-0.0157	111.86	8.771	-33.401	-0.0180202	0.086222	0.0023
73 114 62358		110.74	8.070	-34.765	0.0137498	0.047547	
73 114 62428	0.0233	109.63	7.363	-36.126	0.0260179	0.009728	-0.0027
73 114 62528	0.0293	107.44	5.936	-38.839	0.0267304	0.008312	0.0026
73 114 62558		106.34	5.216	-40.193	0.0380231	0.044727	
73 114 62628	0.0664	105.27	4.492	-41.545	0.0686188	0.084992	-0.0022
73 114 62658		104.20	3.765	-42.896	0.1138843	0.108235	

73 114 62728	0.1662	103.15	3.035	-44.247	0.1648914	0.107654	0.0013
73 114 62828	0.2308	101.06	1.568	-46.947	0.2307856	0.014665	0.0000
73 114 62858		100.03	0.831	-48.298	0.2173972	-0.077759	
73 114 62928	0.1628	99.03	0.094	-49.649	0.1643139	-0.135606	-0.0015
73 114 62958		98.03	-0.645	-51.003	0.1075336	-0.093708	
73 114 63028	0.0873	97.05	-1.384	-52.358	0.0832985	-0.015962	0.0040
73 114 63128	0.1029	95.14	-2.861	-55.075	0.1101570	0.055448	-0.0073
73 114 63158		94.20	-3.599	-56.438	0.1353722	0.049098	
73 114 63228	0.1585	93.29	-4.335	-57.805	0.1503869	0.009565	0.0081
73 114 63258		92.39	-5.070	-59.176	0.1382962	-0.068327	
73 114 63328	0.0859	91.52	-5.802	-60.551	0.0895961	-0.131316	-0.0037
73 114 63428	-0.0201	89.83	-7.259	-63.316	-0.0164382	-0.052936	-0.0037
73 114 63458		89.01	-7.982	-64.707	-0.0108575	0.088466	
73 114 63528	0.0694	88.22	-8.701	-66.104	0.0613361	0.204523	0.0081
73 114 63558		87.44	-9.416	-67.508	0.1597186	0.201817	
73 114 63628	0.2336	86.69	-10.126	-68.919	0.2407604	0.154087	-0.0072
73 114 63728	0.3738	85.27	-11.529	-71.762	0.3699163	0.144822	0.0039
73 114 63758		84.58	-12.221	-73.197	0.4445633	0.183300	
73 114 63828	0.5303	83.93	-12.906	-74.639	0.5327480	0.180075	-0.0024
73 114 63858		83.30	-13.584	-76.090	0.5935713	0.064663	
73 114 63928	0.5879	82.71	-14.254	-77.550	0.5829858	-0.112438	0.0049
73 114 64028	0.2940	81.58	-15.567	-80.500	0.3033587	-0.500809	-0.0094
73 114 64058		81.06	-16.211	-81.991	0.0237815	-0.712066	
73 114 64128	-0.3178	80.57	-16.843	-83.491	-0.3281768	-0.754730	0.0104
73 114 64158		80.10	-17.466	-85.003	-0.6194557	-0.448834	
73 114 64228	-0.7302	79.66	-18.076	-86.525	-0.7265091	-0.038093	-0.0037
73 114 64328	-0.5351	78.88	-19.263	-89.604	-0.5318075	0.367334	-0.0073
73 114 64358		78.52	-19.838	-91.161	-0.3580989	0.361953	
73 114 64428	-0.2053	78.21	-20.399	-92.728	-0.2183158	0.221885	0.0130
73 114 64458		77.91	-20.946	-94.309	-0.1733537	-0.048919	
73 114 64528	-0.2694	77.65	-21.479	-95.901	-0.2608877	-0.302986	-0.0085
73 114 64628	-0.5996	77.23	-22.499	-99.120	-0.5985436	-0.318998	-0.0011
73 114 64658		77.05	-22.986	-100.749	-0.6971732	-0.080862	
73 114 64728	-0.6516	76.92	-23.455	-102.388	-0.6585557	0.252635	0.0070
73 114 64758		76.81	-23.908	-104.039	-0.4597397	0.612995	
73 114 64828	-0.1100	76.74	-24.343	-105.702	-0.1036719	0.901190	-0.0063
73 114 64928	0.8133	76.68	-25.158	-109.061	0.8104219	0.964755	0.0029
73 114 65028	1.4669	76.74	-25.897	-112.463	1.4674710	0.344431	-0.0006

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73 115 53029	-0.5217	148.37	5.865	108.377	-0.5217018			0.0000	
73 115 53129	-0.2495	149.97	7.239	105.783	-0.2494514			0.0000	

73 115 53159		150.74	7.920	104.482	-0.1284643	0.239106			
73 115 53229	-0.0298	151.49	8.596	103.178	-0.0300196	0.188465			0.0002
73 115 53329	0.1036	152.93	9.933	100.558	0.1040711	0.106205			-0.0005
73 115 53359		153.61	10.594	99.242	0.1455664	0.074588			
73 115 53429	0.1744	154.27	11.249	97.921	0.1737711	0.048338			0.0006
73 115 53459		154.91	11.897	96.595	0.1908696	0.026453			
73 115 53529	0.1979	155.52	12.539	95.264	0.1985268	0.006703			-0.0006
73 115 53629	0.1869	156.68	13.802	92.584	0.1863538	-0.033146			0.0005
73 115 53659		157.22	14.421	91.235	0.1664131	-0.053246			
73 115 53729	0.1370	157.73	15.033	89.878	0.1372604	-0.072890			-0.0003
73 115 53759		158.23	15.637	88.515	0.0992632	-0.091525			
73 115 53829	0.0532	158.69	16.232	87.145	0.0538107	-0.103275			-0.0006
73 115 53929	-0.0368	159.54	17.394	84.381	-0.0386667	-0.088532			0.0019
73 115 53959		159.93	17.961	82.987	-0.0739178	-0.062032			
73 115 54029	-0.0967	160.29	18.517	81.585	-0.0941352	-0.023758			-0.0026
73 115 54059		160.62	19.063	80.174	-0.0941851	0.025345			
73 115 54129	-0.0702	160.93	19.598	78.754	-0.0724230	0.063487			0.0022
73 115 54229	-0.0152	161.46	20.634	75.889	-0.0138276	0.041615			-0.0014
73 115 54259		161.69	21.134	74.442	-0.0072118	-0.018414			
73 115 54329	-0.0299	161.88	21.622	72.986	-0.0304576	-0.076053			0.0006
73 115 54359		162.05	22.096	71.521	-0.0716723	-0.096218			
73 115 54429	-0.1149	162.19	22.558	70.046	-0.1153610	-0.090778			0.0005
73 115 54529	-0.1811	162.39	23.441	67.067	-0.1793771	-0.038734			-0.0017
73 115 54559		162.45	23.861	65.564	-0.1870290	0.007877			
73 115 54629	-0.1702	162.48	24.266	64.051	-0.1725582	0.051559			0.0024
73 115 54659		162.48	24.657	62.528	-0.1424273	0.075691			
73 115 54729	-0.1063	162.45	25.032	60.996	-0.1045163	0.087820			-0.0018
73 115 54829	-0.0164	162.31	25.735	57.905	-0.0170030	0.098777			0.0006
73 115 54859		162.20	26.062	56.346	0.0285051	0.097601			
73 115 54929	0.0727	162.06	26.372	54.778	0.0725675	0.092846			0.0001
73 115 54959		161.89	26.666	53.202	0.1138158	0.085365			
73 115 55029	0.1506	161.70	26.942	51.618	0.1506826	0.073281			-0.0001
73 115 55129	0.1999	161.22	27.440	49.426	0.2001996	0.029649			-0.0003
73 115 55159		160.95	27.663	46.819	0.2068551	-0.001902			
73 115 55229	0.1955	160.64	27.867	45.205	0.1951791	-0.054682			0.0003
73 115 55259		160.31	28.052	43.585	0.1508159	-0.143476			
73 115 55329	0.0626	159.95	28.218	41.960	0.0620825	-0.236322			0.0005
73 115 55429	-0.2137	159.15	28.493	38.692	-0.2118608	-0.338468			-0.0018
73 115 55459		158.71	28.601	37.052	-0.3713601	-0.347755			
73 115 55529	-0.5229	158.25	28.690	35.407	-0.5251806	-0.306460			0.0023
73 115 55559		157.76	28.759	33.760	-0.6430414	-0.191828			
73 115 55629	-0.6974	157.24	28.808	32.109	-0.6965798	-0.039911			-0.0008
73 115 55729	-0.5934	156.14	28.846	28.803	-0.5917332	0.267880			-0.0017
73 115 55759		155.55	28.835	27.147	-0.4321070	0.423754			
73 115 55829	-0.2025	154.94	28.804	25.492	-0.2053546	0.547864			0.0029
73 115 55859		154.30	28.753	23.837	0.0638107	0.607219			
73 115 55929	0.3448	153.64	28.682	22.182	0.3462264	0.607446			-0.0014
73 115 6 029	0.8484	152.25	28.479	18.878	0.8497323	0.447503			-0.0013
73 115 6 059		151.53	28.348	17.229	1.0214349	0.287308			
73 115 6 129	1.1146	150.78	28.196	15.584	1.1117866	0.106005			0.0028
73 115 6 159		150.01	28.026	13.942	1.1210159	-0.064166			
73 115 6 229	1.0541	149.22	27.836	12.304	1.0559196	-0.212445			-0.0018
73 115 6 329	0.7575	147.58	27.397	9.043	0.7578667	-0.411450			-0.0004
73 115 6 359		146.74	27.150	7.421	0.5549262	-0.462158			
73 115 6 429	0.3372	145.87	26.883	5.804	0.3358994	-0.481878			0.0013
73 115 6 459		144.99	26.598	4.194	0.1145077	-0.472168			
73 115 6 529	-0.0964	144.08	26.295	2.591	-0.0967957	-0.441091			0.0004
73 115 6 629	-0.4645	142.23	25.636	-0.595	-0.4610433	-0.338994			-0.0035
73 115 6 659		141.28	25.280	-2.176	-0.6016836	-0.267966			
73 115 6 729	-0.7022	140.31	24.907	-3.750	-0.7069852	-0.187234			0.0048
73 115 6 759		139.34	24.517	-5.315	-0.7736149	-0.100348			
73 115 6 829	-0.8025	138.34	24.111	-6.873	-0.7999814	-0.015619			-0.0025
73 115 6 929	-0.7490	136.31	23.250	-9.962	-0.7473673	0.122644			-0.0016
73 115 6 959		135.29	22.797	-11.494	-0.6779794	0.176173			
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73 115 61059		133.19	21.846	-14.532	-0.4920289	0.203489			

73 115 61129	-0.4058	132.13	21.349	-16.038	-0.4024431	0.185723	-0.0034
73 115 61229	-0.2392	129.97	20.314	-19.025	-0.2403918	0.169593	0.0012
73 115 61259		128.89	19.776	-20.505	-0.1619546	0.171234	
73 115 61329	-0.0827	127.79	19.226	-21.977	-0.0828945	0.168890	0.0002
73 115 61359		126.70	18.664	-23.441	-0.0082309	0.152105	
73 115 61429	0.0557	125.59	18.089	-24.897	0.0559074	0.124611	-0.0002
73 115 61529	0.1377	123.36	16.907	-27.786	0.1380492	0.048649	-0.0003
73 115 61559		122.25	16.299	-29.219	0.1495905	0.000177	
73 115 61629	0.1389	121.12	15.681	-30.645	0.1384944	-0.046489	0.0004
73 115 61659		120.01	15.054	-32.063	0.1082872	-0.082589	
73 115 61729	0.0648	118.88	14.416	-33.476	0.0640717	-0.106770	0.0007
73 115 61829	-0.0451	116.63	13.115	-36.281	-0.0425803	-0.115409	-0.0025
73 115 61859		115.52	12.452	-37.675	-0.0927891	-0.099861	
73 115 61929	-0.1294	114.39	11.781	-39.064	-0.1323328	-0.068348	0.0029
73 115 61959		113.28	11.103	-40.447	-0.1530167	-0.018127	
73 115 62029	-0.1500	112.17	10.417	-41.826	-0.1497353	-0.027800	-0.0003
73 115 62129	-0.1151	109.96	9.026	-44.570	-0.1110253	0.037868	-0.0041
73 115 62159		108.87	8.322	-45.936	-0.1007729	0.001995	
73 115 62229	-0.1011	107.77	7.612	-47.300	-0.1063611	-0.015557	0.0053
73 115 62259		106.70	6.897	-48.660	-0.1053004	0.030805	
73 115 62329	-0.0755	105.62	6.177	-50.018	-0.0760198	0.089526	0.0005
73 115 62429	0.0086	103.50	4.726	-52.727	0.0186711	0.089456	-0.0101
73 115 62459		102.47	3.995	-54.079	0.0479067	0.030646	
73 115 62529	0.0605	101.43	3.260	-55.431	0.0471749	-0.026855	0.0133
73 115 62559		100.42	2.524	-56.782	0.0295349	-0.042587	
73 115 62629	0.0098	99.40	1.785	-58.134	0.0127819	-0.026279	-0.0030
73 115 62729	0.0129	97.43	0.302	-60.838	0.0275998	0.073242	-0.0147
73 115 62759		96.48	-0.441	-62.191	0.0797738	0.156466	
73 115 62829	0.1916	95.52	-1.185	-63.547	0.1681413	0.214172	0.0235
73 115 62859		94.60	-1.929	-64.904	0.2662522	0.198570	
73 115 62929	0.3333	93.68	-2.672	-66.264	0.3477713	0.158763	-0.0145
73 115 63029	0.4810	91.91	-4.156	-68.993	0.4844324	0.153847	-0.0034
73 115 63059		91.06	-4.896	-70.363	0.5625687	0.188750	
73 115 63129	0.6620	90.21	-5.634	-71.738	0.6489381	0.160125	0.0131
73 115 63159		89.41	-6.369	-73.117	0.6870210	-0.020505	
73 115 63229	0.6161	88.60	-7.101	-74.502	0.6227454	-0.248415	-0.0066
73 115 63329	0.2371	87.08	-8.554	-77.287	0.2446712	-0.532263	-0.0076
73 115 63359		86.36	-9.274	-78.689	-0.0162093	-0.588173	
73 115 63429	-0.2653	85.64	-9.990	-80.099	-0.2806008	-0.528267	0.0153
73 115 63459		84.97	-10.700	-81.515	-0.4771500	-0.294023	
73 115 63529	-0.5581	84.31	-11.404	-82.939	-0.5476592	-0.030849	-0.0104
73 115 63629	-0.4590	83.07	-12.793	-85.812	-0.4584493	0.146506	-0.0006
73 115 63659		82.50	-13.477	-87.261	-0.4061497	0.060630	
73 115 63729	-0.4074	81.94	-14.153	-88.720	-0.4148130	-0.105544	0.0074
73 115 63759		81.42	-14.820	-90.187	-0.5104425	-0.316056	
73 115 63829	-0.7016	80.91	-15.478	-91.666	-0.6946501	-0.448711	-0.0069
73 115 63929	-1.0128	80.00	-16.766	-94.652	-1.0160867	-0.114218	0.0033
73 115 63959		79.59	-17.394	-96.160	-0.9686490	0.353027	
73 115 64029	-0.6854	79.20	-18.012	-97.681	-0.6846623	0.855963	-0.0007
73 115 64059		78.85	-18.617	-99.211	-0.1979932	1.230630	
73 115 64129	0.4246	78.52	-19.211	-100.754	0.4245670	1.429437	0.0000
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73 116 51949	-0.0670	143.16	-1.091	109.549	-0.0670062	0.039579	0.0000
73 116 52049	-0.0426	144.96	0.324	106.976	-0.0424339	0.020429	-0.0002
73 116 52119		145.83	1.030	105.691	-0.0320807	0.026119	
73 116 52149	-0.0164	146.68	1.736	104.407	-0.0171505	0.039382	0.0008
73 116 52249	0.0352	148.33	3.141	101.839	0.0368090	0.080805	-0.0016
73 116 52319		149.13	3.841	100.554	0.0804217	0.108964	
73 116 52349	0.1368	149.91	4.538	99.268	0.1346803	0.119299	0.0021
73 116 52419		150.67	5.232	97.981	0.1843274	0.089017	
73 116 52449	0.2124	151.40	5.924	96.692	0.2144094	0.042725	-0.0020
73 116 52549	0.2220	152.81	7.295	94.107	0.2203875	-0.024040	0.0016
73 116 52619		153.49	7.975	92.810	0.2042323	-0.044515	
73 116 52649	0.1791	154.13	8.650	91.510	0.1803527	-0.058044	-0.0013
73 116 52719		154.76	9.321	90.206	0.1514516	-0.066281	
73 116 52749	0.1205	155.36	9.986	88.898	0.1196417	-0.071330	0.0009
73 116 52849	0.0499	156.50	11.300	86.268	0.0502904	-0.078159	-0.0004
73 116 52919		157.03	11.947	84.945	0.0137551	-0.079940	
73 116 52949	-0.0233	157.53	12.589	83.617	-0.0234971	-0.081551	0.0002
73 116 53019		158.01	13.223	82.282	-0.0616604	-0.083907	
73 116 53049	-0.1010	158.47	13.850	80.942	-0.1004340	-0.082756	-0.0006
73 116 53149	-0.1662	159.30	15.081	78.241	-0.1674257	-0.057174	0.0012
73 116 53219		159.68	15.685	76.880	-0.1884797	-0.032744	
73 116 53249	-0.1989	160.03	16.279	75.511	-0.1974314	-0.006833	-0.0015
73 116 53319		160.36	16.865	74.135	-0.1955294	0.014272	
73 116 53349	-0.1857	160.65	17.442	72.751	-0.1865184	0.020652	0.0008
73 116 53449	-0.1878	161.17	18.565	69.957	-0.1881117	-0.040536	0.0003
73 116 53519		161.38	19.111	68.548	-0.2214725	-0.108099	
73 116 53549	-0.2860	161.57	19.646	67.129	-0.2850814	-0.157159	-0.0009
73 116 53619		161.74	20.170	65.701	-0.3570966	-0.144554	
73 116 53649	-0.4123	161.87	20.683	64.264	-0.4128180	-0.094666	0.0005
73 116 53749	-0.4399	162.05	21.671	61.362	-0.4402738	0.043795	0.0004
73 116 53819		162.11	22.146	59.896	-0.4001075	0.132365	
73 116 53849	-0.3210	162.13	22.609	58.421	-0.3201043	0.207583	-0.0009
73 116 53919		162.12	23.057	56.936	-0.2145332	0.243177	
73 116 53949	-0.0991	162.09	23.492	55.441	-0.0998282	0.251060	0.0007
73 116 54049	0.1220	161.94	24.319	52.422	0.1222406	0.219403	-0.0002
73 116 54119		161.83	24.710	50.898	0.2150102	0.179866	
73 116 54149	0.2882	161.68	25.086	49.364	0.2882662	0.139980	-0.0001
73 116 54219		161.51	25.446	47.821	0.3465907	0.115217	
73 116 54249	0.3956	161.31	25.790	46.269	0.3955508	0.096293	0.0000
73 116 54349	0.4634	160.83	26.428	43.137	0.4632944	0.048151	0.0001
73 116 54419		160.55	26.722	41.558	0.4789114	0.018934	
73 116 54449	0.4779	160.25	26.998	39.970	0.4780432	-0.028040	-0.0001
73 116 54519		159.91	27.257	38.375	0.4480884	-0.107076	
73 116 54549	0.3778	159.55	27.497	36.771	0.3778889	-0.194437	-0.0001
73 116 54649	0.1348	158.75	27.923	33.543	0.1343244	-0.322832	0.0005
73 116 54719		158.32	28.109	31.918	-0.0247787	-0.363871	
73 116 54749	-0.1954	157.85	28.275	30.288	-0.1946235	-0.359179	-0.0008
73 116 54819		157.36	28.421	28.652	-0.3447331	-0.278466	
73 116 54849	-0.4442	156.85	28.549	27.011	-0.4451874	-0.155148	0.0010
73 116 54949	-0.4659	155.75	28.744	23.716	-0.4647142	-0.118962	-0.0012
73 116 55019		155.16	28.813	22.063	-0.3753416	0.269751	
73 116 55049	-0.2174	154.55	28.861	20.407	-0.2185196	0.401770	0.0011
73 116 55119		153.92	28.888	18.749	-0.0115610	0.487041	
73 116 55149	0.2229	153.26	28.896	17.089	0.2233147	0.521090	-0.0004

73 116 55249	0.6752	151.88	28.851	13.766	0.6758757	0.422008	-0.0007
73 116 55319		151.16	28.798	12.105	0.8421133	0.288891	
73 116 55349	0.9386	150.41	28.724	10.444	0.9372209	0.120687	0.0014
73 116 55419		149.65	28.631	8.784	0.9513422	-0.061912	
73 116 55449	0.8806	148.86	28.517	7.127	0.8820400	-0.231560	-0.0014
73 116 55499	0.5563	147.23	28.229	3.820	0.5550640	-0.449766	0.0012
73 116 55519		146.39	28.056	2.172	0.3346659	-0.498332	
73 116 55549	0.0994	145.53	27.862	0.528	0.1004744	-0.510822	-0.0011
73 116 55579		144.65	27.649	-1.112	-0.1321127	-0.491507	
73 116 55599	-0.3487	143.76	27.417	-2.747	-0.3496707	-0.448202	0.0010
73 116 55649	-0.7070	141.92	26.896	-5.998	-0.7061241	-0.313098	-0.0009
73 116 55699		140.98	26.607	-7.615	-0.8300996	-0.221303	
73 116 55749	-0.9083	140.02	26.299	-9.225	-0.9091350	-0.120831	0.0008
73 116 6 019		139.05	25.974	-10.827	-0.9415584	-0.019408	
73 116 6 049	-0.9288	138.06	25.631	-12.423	-0.9278990	0.076562	-0.0009
73 116 6 149	-0.7806	136.05	24.892	-15.590	-0.7816193	0.232220	0.0010
73 116 6 219		135.03	24.497	-17.162	-0.6601715	0.291910	
73 116 6 249	-0.5177	134.00	24.086	-18.725	-0.5166885	0.321650	-0.0010
73 116 6 319		132.96	23.659	-20.280	-0.3705314	0.303572	
73 116 6 349	-0.2390	131.90	23.215	-21.826	-0.2397031	0.263920	0.0007
73 116 6 449	-0.0278	129.77	22.283	-24.893	-0.0275876	0.198636	-0.0002
73 116 6 519		128.70	21.794	-26.413	0.0580170	0.173004	
73 116 6 549	0.1320	127.61	21.291	-27.924	0.1322064	0.147695	-0.0002
73 116 6 619		126.53	20.774	-29.427	0.1937762	0.118372	
73 116 6 649	0.2420	125.43	20.244	-30.921	0.2413861	0.088274	0.0006
73 116 6 749	0.2967	123.23	19.144	-33.884	0.2977687	0.035499	-0.0011
73 116 6 819		122.12	18.576	-35.353	0.3088276	0.012823	
73 116 6 849	0.3106	121.01	17.995	-36.814	0.3095556	-0.010194	0.0010
73 116 6 919		119.91	17.403	-38.267	0.2989317	-0.036356	
73 116 6 949	0.2763	118.79	16.800	-39.713	0.2761984	-0.061130	0.0001
73 116 61049	0.2014	116.57	15.562	-42.581	0.2032663	-0.092888	-0.0019
73 116 61119		115.47	14.929	-44.004	0.1585439	-0.099873	
73 116 61149	0.1174	114.36	14.285	-45.421	0.1154007	-0.078571	0.0020
73 116 61219		113.26	13.633	-46.832	0.0937847	-0.066636	
73 116 61249	0.1117	112.16	12.971	-48.236	0.1100508	0.070330	0.0016
73 116 61349	0.1949	109.98	11.625	-51.027	0.2032371	0.102480	-0.0074
73 116 61419		108.90	10.940	-52.415	0.2408559	0.057673	
73 116 61449	0.2648	107.82	10.249	-53.798	0.2552404	0.010672	0.0096
73 116 61519		106.76	9.550	-55.177	0.2562840	-0.000117	
73 116 61549	0.2527	105.69	8.846	-56.551	0.2566271	-0.001194	-0.0039
73 116 61649	0.2306	103.61	7.420	-59.290	0.2364526	-0.053691	-0.0059
73 116 61719		102.58	6.700	-60.654	0.2004436	-0.105106	
73 116 61749	0.1486	101.56	5.975	-62.016	0.1379811	-0.165739	0.0106
73 116 61819		100.56	5.246	-63.376	0.0471578	-0.228005	
73 116 61849	-0.0739	99.56	4.513	-64.734	-0.0685569	-0.264310	-0.0053
73 116 61949	-0.2934	97.62	3.038	-67.448	-0.2884185	-0.176195	-0.0050
73 116 62019		96.68	2.296	-68.803	-0.3431034	-0.051787	
73 116 62049	-0.3254	95.74	1.553	-70.159	-0.3352741	0.078841	0.0099
73 116 62119		94.83	0.808	-71.515	-0.2766448	0.168298	
73 116 62149	-0.1889	93.92	0.061	-72.872	-0.1851829	0.223243	-0.0037
73 116 62249	0.0336	92.18	-1.433	-75.590	0.0416416	0.249469	-0.0080
73 116 62319		91.34	-2.181	-76.952	0.1512551	0.220758	
73 116 62349	0.2553	90.51	-2.927	-78.316	0.2418735	0.168615	0.0134
73 116 62419		89.71	-3.673	-79.684	0.3040321	0.097511	
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73 116 62619		86.72	-6.637	-85.193	0.1659920	-0.258085	
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73 116 62719		85.36	-8.102	-87.978	-0.1342335	-0.362058	
73 116 62749	-0.3110	84.71	-8.828	-89.379	-0.2969986	-0.343079	-0.0120
73 116 62849	-0.5415	83.50	-10.266	-92.201	-0.5427940	-0.150658	0.0013
73 116 62919		82.93	-10.976	-93.622	-0.5742940	0.022772	
73 116 62949	-0.5251	82.39	-11.681	-95.051	-0.5306155	0.138666	0.0055
73 116 63019		81.88	-12.378	-96.488	-0.4718930	0.087976	
73 116 63049	-0.4584	81.39	-13.069	-97.935	-0.4528854	0.014544	-0.0055
73 116 63149	-0.3742	80.49	-14.427	-100.853	-0.3768083	0.230967	0.0026

73 116 63219		80.09	-15.093	-102.326	-0.2079403	0.520793	
73 116 63249	0.1130	79.71	-15.750	-103.809	0.1135780	0.872309	-0.0006
73 116 63349	1.2460	79.05	-17.034	-106.806	1.2459786	1.581949	0.0000

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TSTATE = 1661.115, 106.1080, 899.9454, 2.1596730E-02,
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TRANSB = 0.0000000E+00,
GM = 4902.780
ERAD = 363901.4
ELAT = -1.265797, 2*0.0000000E+00,
ELON = 2.643051, 2*0.0000000E+00,
ROTR = 8.9400001E-03,
DTEIT = 0.2000000
CONFAC = 1.083000
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73 118 5 529 0.1777 137.13 -10.165 103.746 0.1781299 -0.109709 -0.0004
73 118 5 559 138.17 -9.493 102.410 0.1280966 -0.085247
73 118 5 629 0.1095 139.21 -8.817 101.080 0.1075586 -0.007842 0.0019
73 118 5 729 0.1411 141.24 -7.453 98.440 0.1452467 0.073042 -0.0041
73 118 5 759 142.23 -6.767 97.128 0.1807218 0.076509
73 118 5 829 0.2141 143.21 -6.077 95.822 0.2089758 0.035028 0.0051
73 118 5 859 144.17 -5.385 94.520 0.2030144 -0.071729
73 118 5 929 0.1384 145.11 -4.691 93.222 0.1419954 -0.183411 -0.0036
73 118 51029 -0.0701 146.95 -3.299 90.638 -0.0708503 -0.240698 0.0008
73 118 51059 147.83 -2.601 89.351 -0.1715563 -0.186276
73 118 51129 -0.2378 148.70 -1.902 88.066 -0.2389625 -0.106554 0.0012
73 118 51159 149.55 -1.203 86.783 -0.2706661 -0.031561
73 118 51229 -0.2719 150.39 -0.505 85.503 -0.2703210 0.029063 -0.0016
73 118 51329 -0.2119 151.98 0.892 82.945 -0.2133137 0.078440 0.0014
73 118 51359 152.75 1.588 81.667 -0.1787721 0.067181
73 118 51429 -0.1540 153.49 2.284 80.389 -0.1529832 0.044853 -0.0010
73 118 51459 154.21 2.978 79.112 -0.1370789 0.024339
73 118 51529 -0.1299 154.91 3.669 77.833 -0.1298789 0.007914 0.0000
73 118 51629 -0.1294 156.24 5.046 75.272 -0.1308968 -0.005884 0.0015
73 118 51659 156.86 5.730 73.990 -0.1332509 -0.003254
73 118 51729 -0.1369 157.47 6.410 72.705 -0.1345009 -0.004519 -0.0024
73 118 51759 158.04 7.087 71.417 -0.1396008 -0.019929
73 118 51829 -0.1524 158.59 7.760 70.126 -0.1547050 -0.047061 0.0023
73 118 51929 -0.2350 159.62 9.093 67.534 -0.2332414 -0.129254 -0.0018
73 118 51959 160.09 9.753 66.232 -0.3052778 -0.184321
73 118 52029 -0.3975 160.54 10.407 64.926 -0.3985972 -0.207969 0.0011
73 118 52059 160.96 11.055 63.614 -0.4862058 -0.159479
73 118 52129 -0.5388 161.35 11.698 62.298 -0.5388587 -0.065494 0.0001
73 118 52229 -0.4938 162.05 12.964 59.648 -0.4921961 0.179156 -0.0016
73 118 52259 162.36 13.587 58.314 -0.3754145 0.329829
73 118 52329 -0.1887 162.64 14.203 56.973 -0.1911289 0.457931 0.0024
73 118 52359 162.89 14.811 55.625 0.0375870 0.522086
73 118 52429 0.2807 163.11 15.411 54.271 0.2825956 0.532012 -0.0019
73 118 52529 0.7358 163.48 16.585 51.538 0.7351000 0.418468 0.0007
73 118 52559 163.61 17.159 50.160 0.9015232 0.294976
73 118 52629 1.0063 163.72 17.724 48.774 1.0063043 0.163846 0.0000

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73 118 52659		163.80	18.278	47.379	1.0572834	0.061826	
73 118 52729	1.0668	163.86	18.823	45.976	1.0665569	-0.019672	0.0002
73 118 52829	0.9850	163.87	19.880	43.142	0.9859087	-0.147105	-0.0009
73 118 52859		163.83	20.392	41.711	0.9069244	-0.193036	
73 118 52929	0.8080	163.77	20.892	40.270	0.8068760	-0.244128	0.0011
73 118 52959		163.68	21.381	38.820	0.6780810	-0.317447	
73 118 53029	0.5128	163.56	21.856	37.361	0.5131436	-0.394798	-0.0003
73 118 53129	0.0914	163.22	22.769	34.412	0.0923741	-0.507179	-0.0010
73 118 53159		163.01	23.206	32.922	-0.1504383	-0.542203	
73 118 53229	-0.3994	162.78	23.628	31.423	-0.4009408	-0.529580	0.0015
73 118 53259		162.51	24.036	29.914	-0.6269329	-0.435765	
73 118 53329	-0.7964	162.22	24.429	28.395	-0.7958490	-0.293413	-0.0006
73 118 53429	-0.9194	161.55	25.171	25.328	-0.9181446	0.039149	-0.0013
73 118 53459		161.17	25.518	23.780	-0.8567665	0.229367	
73 118 53529	-0.7073	160.77	25.849	22.222	-0.7095966	0.398622	0.0023
73 118 53559		160.34	26.164	20.656	-0.4975716	0.510124	
73 118 53629	-0.2487	159.88	26.461	19.080	-0.2467828	0.568285	-0.0019
73 118 53729	0.2799	158.88	27.005	15.903	0.2790363	0.538071	0.0009
73 118 53759		158.34	27.250	14.302	0.5089551	0.449672	
73 118 53829	0.6862	157.78	27.478	12.694	0.6861920	0.308885	0.0000
73 118 53859		157.19	27.687	11.078	0.7855338	0.112079	
73 118 53929	0.7871	156.58	27.877	9.455	0.7878531	-0.096710	-0.0008
73 118 54029	0.5417	155.28	28.201	6.191	0.5401368	-0.418559	0.0016
73 118 54059		154.60	28.334	4.550	0.3195453	-0.531604	
73 118 54129	0.0541	153.89	28.448	2.904	0.0561562	-0.599977	-0.0021
73 118 54159		153.15	28.542	1.254	-0.2256247	-0.610984	
73 118 54229	-0.4995	152.40	28.616	-0.400	-0.5015138	-0.579819	0.0020
73 118 54329	-0.9808	150.83	28.705	-3.718	-0.9790640	-0.436574	-0.0017
73 118 54359		150.01	28.719	-5.381	-1.1558056	-0.324481	
73 118 54429	-1.2736	149.17	28.713	-7.045	-1.2751311	-0.189286	0.0015
73 118 54459		148.31	28.686	-8.710	-1.3275992	-0.034762	
73 118 54529	-1.3082	147.43	28.639	-10.375	-1.3067664	-0.122846	-0.0014
73 118 54629	-1.0605	145.61	28.485	-13.705	-1.0618496	0.398942	0.0013
73 118 54659		144.68	28.377	-15.368	-0.8497871	0.517424	
73 118 54729	-0.5906	143.73	28.249	-17.029	-0.5896845	0.599541	-0.0009
73 118 54759		142.76	28.101	-18.687	-0.3053656	0.622037	
73 118 54829	-0.0232	141.78	27.934	-20.342	-0.0226903	0.596639	-0.0005
73 118 54929	0.4684	139.76	27.539	-23.641	0.4658262	0.437387	0.0026
73 118 54959		138.74	27.312	-25.284	0.6382689	0.303517	
73 118 55029	0.7422	137.69	27.066	-26.921	0.7458073	0.167793	-0.0036
73 118 55059		136.64	26.800	-28.553	0.7981730	0.064426	
73 118 55129	0.8118	135.57	26.516	-30.179	0.8091789	-0.013754	0.0026
73 118 55229	0.7430	133.41	25.893	-33.411	0.7436057	-0.116318	-0.0006
73 118 55259		132.31	25.554	-35.016	0.6835793	-0.140693	
73 118 55329	0.6164	131.20	25.197	-36.614	0.6173450	-0.141357	-0.0009
73 118 55359		130.09	24.823	-38.205	0.5575941	-0.112537	
73 118 55429	0.5170	128.97	24.431	-39.787	0.5150402	-0.073250	0.0020
73 118 55529	0.4716	126.70	23.599	-42.928	0.4744942	-0.020260	-0.0029
73 118 55559		125.56	23.158	-44.406	0.4686302	-0.006562	
73 118 55629	0.4682	124.41	22.702	-46.035	0.4650745	-0.014699	0.0031
73 118 55659		123.26	22.231	-47.576	0.4496467	-0.057984	
73 118 55729	0.4081	122.11	21.744	-49.109	0.4099349	-0.111688	-0.0018
73 118 55829	0.2723	119.79	20.728	-52.148	0.2725993	-0.176257	-0.0003
73 118 55859		118.63	20.199	-53.654	0.1881585	-0.187114	
73 118 55929	0.1035	117.47	19.657	-55.152	0.1020946	-0.183227	0.0014
73 118 55959		116.32	19.101	-56.642	0.0213147	-0.164134	
73 118 6 029	-0.0490	115.16	18.533	-58.124	-0.0484924	-0.138739	-0.0005
73 118 6 129	-0.1573	112.86	17.362	-61.063	-0.1559350	-0.095708	-0.0014
73 118 6 159		111.71	16.759	-62.522	-0.1959563	-0.078075	
73 118 6 229	-0.2277	110.57	16.145	-63.972	-0.2297541	-0.071663	0.0021
73 118 6 259		109.43	15.521	-65.416	-0.2651822	-0.085103	
73 118 6 329	-0.3087	108.30	14.886	-66.852	-0.3085073	-0.099675	-0.0002
73 118 6 429	-0.3981	106.07	13.589	-69.795	-0.3950600	-0.076076	-0.0030
73 118 6 459		104.96	12.927	-71.122	-0.4220491	-0.037896	
73 118 6 529	-0.4252	103.87	12.257	-72.533	-0.4299947	0.000673	0.0048
73 118 6 559		102.78	11.579	-73.939	-0.4240081	0.022458	

73 118 6 629	-0.4138	101.71	10.893	-75.339	-0.4100803	0.038907	-0.0027
73 118 6 729	-0.3511	99.60	9.501	-78.126	-0.3523615	0.090200	0.0013
73 118 6 759		98.57	8.795	-79.513	-0.3029037	0.125047	
73 118 6 829	-0.2387	97.54	8.083	-80.896	-0.2391645	0.145181	0.0005
73 118 6 859		96.54	7.366	-82.276	-0.1743198	0.129765	
73 118 6 929	-0.1225	95.55	6.644	-83.653	-0.1214271	0.100801	-0.0011
73 118 61029	-0.0447	93.62	5.187	-86.400	-0.0459993	0.068207	0.0013
73 118 61059		92.68	4.453	-87.771	-0.0156679	0.064581	
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73 118 61159		90.86	2.975	-90.508	0.0393849	0.049106	
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73 119 45758 130.01 -14.754 101.707 0.1132938 -0.322605
73 119 45828 -0.0165 131.22 -14.126 100.313 -0.0183396 -0.248469 0.0018
73 119 45928 -0.1882 133.63 -12.847 97.553 -0.1842743 -0.114022 -0.0039
73 119 45958 134.82 -12.198 96.186 -0.2228211 -0.053712
73 119 5 028 -0.2349 136.00 -11.543 94.828 -0.2396691 -0.031061 0.0048
73 119 5 058 137.17 -10.883 93.478 -0.2623816 -0.079102
73 119 5 128 -0.3183 138.32 -10.218 92.136 -0.3152798 -0.143883 -0.0030
73 119 5 228 -0.4680 140.60 -8.874 89.472 -0.4678898 -0.161873 -0.0001
73 119 5 258 141.71 -8.197 88.150 -0.5332574 -0.115064
73 119 5 328 -0.5694 142.81 -7.515 86.834 -0.5714538 -0.050800 0.0021
73 119 5 358 143.89 -6.831 85.524 -0.5805058 0.011215
73 119 5 428 -0.5640 144.96 -6.144 84.219 -0.5620816 0.066872 -0.0019
73 119 5 528 -0.4593 147.04 -4.763 81.622 -0.4601649 0.146931 0.0009
73 119 5 558 148.05 -4.070 80.331 -0.3862880 0.171327
73 119 5 628 -0.3041 149.04 -3.376 79.042 -0.3041846 0.181329 0.0001
73 119 5 658 150.02 -2.680 77.757 -0.2216807 0.172974
73 119 5 728 -0.1468 150.97 -1.985 76.475 -0.1457058 0.156563 -0.0011
73 119 5 828 -0.0116 152.81 -0.592 73.917 -0.0138780 0.130472 0.0023
73 119 5 858 153.70 0.104 72.640 0.0440447 0.120792
73 119 5 928 0.0945 154.56 0.799 71.365 0.0972221 0.108281 -0.0027
73 119 5 958 155.41 1.493 70.090 0.1428078 0.087853

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73 119 51028	0.1790	156.22	2.186	68.816	0.1773784	0.061152	0.0016
73 119 51128	0.2045	157.79	3.566	66.266	0.2041896	-0.006172	0.0003
73 119 51158		158.53	4.253	64.990	0.1921387	-0.046799	
73 119 51228	0.1614	159.25	4.937	63.713	0.1628928	-0.074996	-0.0015
73 119 51258		159.94	5.618	62.434	0.1274267	-0.073709	
73 119 51328	0.0995	160.60	6.296	61.153	0.0981520	-0.050849	0.0013
73 119 51428	0.0864	161.85	7.641	58.584	0.0870274	0.035860	-0.0006
73 119 51458		162.44	8.308	57.295	0.1178019	0.099716	
73 119 51528	0.1794	162.99	8.969	56.002	0.1789609	0.162691	0.0004
73 119 51558		163.52	9.626	54.705	0.2656620	0.210286	
73 119 51628	0.3683	164.02	10.278	53.404	0.3697627	0.236015	-0.0015
73 119 51728	0.5841	164.93	11.565	50.787	0.5809463	0.202530	0.0032
73 119 51758		165.34	12.199	49.470	0.6618774	0.143301	
73 119 51828	0.7075	165.72	12.827	48.148	0.7114319	0.072131	-0.0039
73 119 51858		166.07	13.448	46.820	0.7291507	0.005353	
73 119 51928	0.7200	166.39	14.062	45.486	0.7171460	-0.056443	0.0029
73 119 52028	0.6131	166.94	15.267	42.797	0.6139142	-0.163474	-0.0008
73 119 52058		167.17	15.857	41.441	0.5277768	-0.208707	
73 119 52128	0.4209	167.37	16.439	40.078	0.4213637	-0.252914	-0.0005
73 119 52158		167.53	17.012	38.707	0.2937025	-0.300630	
73 119 52228	0.1442	167.67	17.575	37.329	0.1437879	-0.348278	0.0004
73 119 52328	-0.2177	167.85	18.673	34.545	-0.2179114	-0.432756	0.0002
73 119 52358		167.89	19.207	33.141	-0.4263726	-0.469585	
73 119 52428	-0.6473	167.90	19.730	31.727	-0.6467339	-0.475404	-0.0006
73 119 52458		167.88	20.241	30.305	-0.8563513	-0.422811	
73 119 52528	-1.0296	167.83	20.742	28.872	-1.0299886	-0.323704	0.0004
73 119 52628	-1.2000	167.63	21.707	25.980	-1.2000319	-0.021506	0.0000
73 119 52658		167.49	22.170	24.519	-1.1644047	0.181601	
73 119 52728	-1.0338	167.31	22.621	23.048	-1.0337800	0.375508	0.0000
73 119 52758		167.10	23.059	21.568	-0.8258076	0.516487	
73 119 52828	-0.5654	166.86	23.482	20.078	-0.5643792	0.608765	-0.0010
73 119 52928	0.0378	166.30	24.288	17.068	0.0351465	0.660224	0.0027
73 119 52958		165.97	24.668	15.549	0.3322755	0.619384	
73 119 53028	0.5948	165.61	25.033	14.020	0.5981796	0.520797	-0.0034
73 119 53058		165.22	25.383	12.481	0.8021944	0.351025	
73 119 53128	0.9200	164.80	25.717	10.933	0.9177497	0.151575	0.0023
73 119 53228	0.8860	163.87	26.336	7.810	0.8861486	-0.212209	-0.0001
73 119 53258		163.36	26.621	6.235	0.7497741	-0.376539	
73 119 53328	0.5426	162.83	26.888	4.651	0.5438277	-0.506111	-0.0012
73 119 53358		162.27	27.138	3.060	0.2913236	-0.577979	
73 119 53428	0.0185	161.67	27.370	1.460	0.0171014	-0.604662	0.0014
73 119 53528	-0.5318	160.41	27.779	-1.760	-0.5307255	-0.560187	-0.0011
73 119 53558		159.73	27.956	-3.381	-0.7742085	-0.489015	
73 119 53628	-0.9769	159.03	28.114	-5.007	-0.9775401	-0.387113	0.0006
73 119 53658		158.31	28.253	-6.640	-1.1271954	-0.256299	
73 119 53728	-1.2117	157.56	28.373	-8.278	-1.2118782	-0.110349	0.0002
73 119 53828	-1.1787	155.98	28.554	-11.566	-1.1774222	0.185951	-0.0013
73 119 53858		155.15	28.615	-13.217	-1.0569068	0.336301	
73 119 53928	-0.8681	154.31	28.656	-14.870	-0.8697613	0.468099	0.0017
73 119 53958		153.43	28.677	-16.526	-0.6305938	0.561431	
73 119 54028	-0.3585	152.54	28.679	-18.183	-0.3579805	0.611764	-0.0005
73 119 54128	0.2008	150.68	28.621	-21.502	0.2022425	0.570032	-0.0014
73 119 54158		149.72	28.561	-23.161	0.4460141	0.477944	
73 119 54228	0.6415	148.75	28.482	-24.821	0.6390884	0.356762	0.0024
73 119 54258		147.75	28.382	-26.479	0.7737634	0.224784	
73 119 54328	0.8460	146.73	28.263	-28.136	0.8474034	0.097667	-0.0014
73 119 54428	0.8416	144.64	27.964	-31.441	0.8421987	-0.095323	-0.0006
73 119 54458		143.57	27.785	-33.090	0.7821931	-0.161185	
73 119 54528	0.6998	142.48	27.586	-34.734	0.6981417	-0.196047	0.0017
73 119 54558		141.38	27.368	-36.374	0.6075632	-0.189364	
73 119 54628	0.5257	140.26	27.130	-38.010	0.5265769	-0.161313	-0.0009
73 119 54728	0.4040	137.98	26.598	-41.264	0.4048116	-0.101638	-0.0008
73 119 54758		136.82	26.304	-42.882	0.3651373	-0.070012	
73 119 54828	0.3396	135.65	25.991	-44.494	0.3377522	-0.054051	0.0018
73 119 54858		134.47	25.661	-46.099	0.3102252	-0.070601	
73 119 54928	0.2689	133.27	25.312	-47.698	0.2706133	-0.099828	-0.0017

73 119 55028	0.1602	130.86	24.563	-50.872	0.1591439	-0.136850	0.0011
73 119 55058		129.64	24.164	-52.447	0.0938817	-0.144640	
73 119 55128	0.0261	128.41	23.747	-54.014	0.0266701	-0.145407	-0.0006
73 119 55158		127.18	23.314	-55.574	-0.0393193	-0.139275	
73 119 55228	-0.1004	125.94	22.866	-57.125	-0.1007315	-0.125345	0.0003
73 119 55328	-0.1944	123.45	21.923	-60.202	-0.1942320	-0.071375	-0.0002
73 119 55358		122.20	21.429	-61.728	-0.2182781	-0.031330	
73 119 55428	-0.2248	120.94	20.921	-63.246	-0.2250495	-0.003540	0.0002
73 119 55458		119.69	20.399	-64.755	-0.2266548	-0.008949	
73 119 55528	-0.2354	118.43	19.863	-66.256	-0.2344761	-0.021928	-0.0009
73 119 55628	-0.2453	115.92	18.752	-69.234	-0.2472532	0.006294	0.0020
73 119 55658		114.67	18.179	-70.711	-0.2355279	0.047504	
73 119 55728	-0.2076	113.42	17.593	-72.180	-0.2051212	0.077483	-0.0025
73 119 55758		112.17	16.995	-73.642	-0.1702172	0.066949	
73 119 55828	-0.1435	110.94	16.387	-75.096	-0.1455214	0.041990	0.0020
73 119 55928	-0.1183	108.47	15.138	-77.983	-0.1172329	0.027059	-0.0011
73 119 55958		107.24	14.499	-79.416	-0.1028713	0.037092	
73 119 6 028	-0.0818	106.04	13.850	-80.843	-0.0821374	0.052630	0.0003
73 119 6 058		104.83	13.192	-82.264	-0.0543732	0.067521	
73 119 6 128	-0.0209	103.64	12.526	-83.679	-0.0210255	0.074395	0.0001
73 119 6 228	0.0369	101.28	11.168	-86.493	0.0374473	0.042002	-0.0005
73 119 6 258		100.11	10.479	-87.892	0.0483660	0.002728	
73 119 6 328	0.0419	98.97	9.782	-89.287	0.0411320	-0.028990	0.0008
73 119 6 358		97.83	9.079	-90.678	0.0262867	-0.030230	
73 119 6 428	0.0132	96.72	8.370	-92.065	0.0138197	-0.027562	-0.0006
73 119 6 528	-0.0333	94.53	6.934	-94.830	-0.0335900	-0.090243	0.0003
73 119 6 558		93.46	6.209	-96.208	-0.0894758	-0.155604	
73 119 6 628	-0.1755	92.41	5.480	-97.584	-0.1754358	-0.209088	-0.0001
73 119 6 728	-0.3679	90.37	4.010	-100.331	-0.3679024	-0.176857	0.0000

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ICoord = 226.4227, 194.0163,
TSTATE = 1730.871, 110.5675, 796.1810, -8.4061384E-02,
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CM = 4902.780,
ERAD = 370887.0,
ELAT = 1.249453, 2*0.0000000E+00,
ELON = 5.174164, 2*0.0000000E+00,
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73 120 52816 0.1519 168.77 26.057 -2.692 0.1518917 -0.637776 0.0000
73 120 52916 -0.3726 167.78 26.635 -5.820 -0.3723753 -0.478916 -0.0002
73 120 52946 167.23 26.899 -7.397 -0.5664538 -0.357011
73 120 53016 -0.6987 166.66 27.145 -8.981 -0.6997148 -0.220029 0.0010
73 120 53116 -0.7765 165.42 27.585 -12.174 -0.7743267 0.059691 -0.0022
73 120 53146 164.75 27.778 -13.780 -0.7138846 0.202430
73 120 53216 -0.5873 164.06 27.952 -15.394 -0.5901215 0.327622 0.0028
73 120 53246 163.33 28.108 -17.013 -0.4170438 0.415901
73 120 53316 -0.2146 162.58 28.244 -18.638 -0.2120801 0.465323 -0.0025
73 120 53416 0.2211 160.99 28.460 -21.903 0.2193361 0.441965 0.0018
73 120 53446 160.15 28.539 -23.542 0.4081686 0.369166

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73 120 53516	0.5546	159.29	28.599	-25.185	0.5558327	0.267882	-0.0012
73 120 53546		158.40	28.639	-26.831	0.6530046	0.150303	
73 120 53616	0.6959	157.48	28.659	-28.479	0.6948532	0.034202	0.0010
73 120 53716	0.6389	155.58	28.639	-31.781	0.6398715	-0.140510	-0.0010
73 120 53746		154.59	28.599	-33.433	0.5607256	-0.199112	
73 120 53816	0.4612	153.57	28.539	-35.086	0.4604244	-0.229113	0.0008
73 120 53846		152.54	28.460	-36.738	0.3550197	-0.221108	
73 120 53916	0.2589	151.48	28.360	-38.389	0.2591075	-0.194603	-0.0002
73 120 54016	0.1022	149.30	28.101	-41.686	0.1028121	-0.144604	-0.0006
73 120 54046		148.18	27.942	-43.331	0.0415058	-0.121110	
73 120 54116	-0.0092	147.04	27.764	-44.972	-0.0103686	-0.106393	0.0012
73 120 54146		145.88	27.565	-46.610	-0.0592773	-0.108211	
73 120 54216	-0.1124	144.71	27.348	-48.244	-0.1110778	-0.115174	-0.0013
73 120 54316	-0.2158	142.30	26.856	-51.498	-0.2171215	-0.110349	0.0013
73 120 54346		141.08	26.582	-53.117	-0.2655923	-0.098559	
73 120 54416	-0.3087	139.83	26.289	-54.729	-0.3075613	-0.083087	-0.0011
73 120 54446		138.58	25.978	-56.336	-0.3421381	-0.066495	
73 120 54516	-0.3680	137.31	25.649	-57.936	-0.3684754	-0.046743	0.0005
73 120 54616	-0.3873	134.74	24.938	-61.116	-0.3877814	0.008402	0.0005
73 120 54646		133.43	24.557	-62.694	-0.3759310	0.043797	
73 120 54716	-0.3492	132.12	24.158	-64.266	-0.3485127	0.071595	-0.0007
73 120 54746		130.80	23.744	-65.829	-0.3129601	0.079000	
73 120 54816	-0.2769	129.47	23.313	-67.385	-0.2761125	0.082861	-0.0008
73 120 54916	-0.1785	126.78	22.404	-70.472	-0.1816933	0.130527	0.0032
73 120 54946		125.43	21.927	-72.003	-0.1118223	0.174337	
73 120 55016	-0.0280	124.08	21.435	-73.526	-0.0237580	0.198408	-0.0042
73 120 55046		122.72	20.929	-75.041	0.0632566	0.169693	
73 120 55116	0.1323	121.35	20.409	-76.548	0.1298086	0.120671	0.0025
73 120 55216	0.2098	118.63	19.328	-79.538	0.2090594	0.059092	0.0007
73 120 55246		117.26	18.768	-81.021	0.2329790	0.046542	
73 120 55316	0.2499	115.90	18.196	-82.496	0.2529102	0.039680	-0.0030
73 120 55346		114.54	17.612	-83.964	0.2694953	0.032027	
73 120 55416	0.2858	113.18	17.016	-85.425	0.2819543	0.020938	0.0038
73 120 55516	0.2803	110.47	15.792	-88.324	0.2844922	-0.019499	-0.0042
73 120 55546		109.13	15.164	-89.763	0.2689467	-0.048851	
73 120 55616	0.2411	107.79	14.526	-91.196	0.2370011	-0.093713	0.0041
73 120 55646		106.46	13.878	-92.623	0.1785694	-0.163543	
73 120 55716	0.0824	105.13	13.222	-94.044	0.0854118	-0.237182	-0.0030
73 120 55816	-0.1816	102.52	11.883	-96.869	-0.1829543	-0.332562	0.0014
73 120 55916	-0.5077	99.95	10.512	-99.674	-0.5074316	-0.358718	-0.0003

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229.2692, 179.7954,
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					Hz	mm/s**2	Hz

73 121 44231	-0.3388	104.59	-23.183	101.357	-0.3388000	-0.087019	0.0000
73 121 44331	-0.3411	107.37	-22.255	98.198	-0.3410999	0.037669	0.0000
73 121 444 1		108.78	-21.770	96.638	-0.3298013	0.000176	
73 121 44431	-0.3439	110.19	-21.271	95.091	-0.3439003	-0.056597	0.0000
73 121 446 1		114.45	-19.697	90.527	-0.4530562	-0.059040	
73 121 44731	-0.4663	118.75	-18.019	86.075	-0.4662532	0.027754	0.0000
73 121 448 1		120.18	-17.438	84.615	-0.4502088	0.040382	
73 121 44831	-0.4296	121.61	-16.849	83.166	-0.4298270	0.047417	0.0002
73 121 44931	-0.3833	124.46	-15.642	80.302	-0.3828091	0.052405	-0.0005
73 121 450 1		125.88	-15.026	78.887	-0.3589684	0.050356	
73 121 45031	-0.3332	127.29	-14.403	77.481	-0.3337745	0.064800	0.0006
73 121 451 1		128.70	-13.772	76.086	-0.2935871	0.115276	
73 121 45131	-0.2262	130.11	-13.135	74.700	-0.2259340	0.174875	-0.0003
73 121 45231	-0.0288	132.89	-11.841	71.955	-0.0285477	0.240827	-0.0003
73 121 453 1		134.26	-11.186	70.596	0.0847988	0.247170	
73 121 45331	0.1973	135.63	-10.526	69.245	0.1968661	0.235230	0.0004
73 121 454 1		136.98	-9.861	67.902	0.2991038	0.204473	
73 121 45431	0.3833	138.32	-9.191	66.565	0.3831906	0.157596	0.0001
73 121 45531	0.4699	140.96	-7.841	63.914	0.4709359	0.023497	-0.0010
73 121 456 1		142.26	-7.161	62.597	0.4621648	-0.063730	
73 121 45631	0.4159	143.55	-6.479	61.286	0.4145612	-0.134941	0.0013
73 121 457 1		144.81	-5.794	59.981	0.3445546	-0.160714	
73 121 45731	0.2707	146.06	-5.107	58.680	0.2709866	-0.155153	-0.0003
73 121 45831	0.1499	148.50	-3.728	56.092	0.1514010	-0.092395	-0.0015
73 121 459 1		149.69	-3.037	54.803	0.1212836	-0.035189	
73 121 45931	0.1209	150.86	-2.345	53.518	0.1184978	0.019375	0.0024
73 121 5 0 1		152.01	-1.653	52.236	0.1357196	0.051474	
73 121 5 031	0.1622	153.14	-0.961	50.956	0.1637522	0.068803	-0.0016
73 121 5 131	0.2355	155.33	0.422	48.402	0.2356854	0.082302	-0.0002
73 121 5 2 1		156.39	1.112	47.127	0.2730742	0.078470	
73 121 5 231	0.3078	157.42	1.801	45.852	0.3063691	0.063116	0.0014
73 121 5 3 1		158.43	2.488	44.578	0.3288886	0.031760	
73 121 5 331	0.3324	159.41	3.173	43.305	0.3343648	-0.008258	-0.0020
73 121 5 431	0.2906	161.30	4.537	40.755	0.2883339	-0.092342	0.0023
73 121 5 5 1		162.20	5.214	39.479	0.2355748	-0.136407	
73 121 5 531	0.1612	163.07	5.888	38.201	0.1632915	-0.174576	-0.0021
73 121 5 6 1		163.91	6.559	36.922	0.0763939	-0.199631	
73 121 5 631	-0.0185	164.73	7.226	35.640	-0.0192673	-0.213176	0.0008
73 121 5 731	-0.2167	166.27	8.547	33.067	-0.2179582	-0.210594	0.0013
73 121 5 8 1		166.99	9.201	31.776	-0.3118541	-0.194464	
73 121 5 831	-0.3983	167.69	9.850	30.481	-0.3957627	-0.166913	-0.0025
73 121 5 9 1		168.35	10.493	29.182	-0.4639764	-0.126392	
73 121 5 931	-0.5095	168.98	11.131	27.879	-0.5120496	-0.083129	0.0025
73 121 51031	-0.5589	170.15	12.387	25.257	-0.5568879	-0.018963	-0.0020
73 121 511 1		170.68	13.006	23.938	-0.5605320	0.001936	
73 121 51131	-0.5528	171.18	13.618	22.613	-0.5541692	0.028896	0.0014
73 121 512 1		171.64	14.222	21.282	-0.5308307	0.075461	
73 121 51231	-0.4836	172.08	14.819	19.944	-0.4833288	0.129608	-0.0003
73 121 51331	-0.3196	172.84	15.988	17.249	-0.3183980	0.224693	-0.0012
73 121 514 1		173.17	16.560	15.891	-0.2050286	0.265628	
73 121 51431	-0.0750	173.47	17.122	14.525	-0.0772517	0.279778	0.0023
73 121 515 1		173.72	17.676	13.151	0.0457415	0.244769	
73 121 51531	0.1419	173.95	18.220	11.769	0.1446201	0.182842	-0.0027
73 121 51631	0.2542	174.30	19.277	8.980	0.2511962	0.044868	0.0030
73 121 517 1		174.42	19.790	7.573	0.2545375	-0.031179	
73 121 51731	0.2201	174.50	20.291	6.157	0.2229844	-0.103508	-0.0029
73 121 518 1		174.55	20.782	4.732	0.1608171	-0.163750	
73 121 51831	0.0750	174.57	21.260	3.298	0.0731984	-0.214830	0.0018
73 121 51931	-0.1658	174.49	22.180	0.402	-0.1656718	-0.298437	-0.0001
73 121 520 1		174.39	22.621	-1.060	-0.3112180	-0.330960	
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73 121 521 1		174.10	23.464	-4.012	-0.6193244	-0.309692	
73 121 52131	-0.7478	173.91	23.864	-5.502	-0.7495164	-0.252049	0.0017
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73 121 523 1		173.10	24.978	-10.029	-0.9354770	0.004410	
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73 121 52531	-0.3242	171.08	26.525	-17.753	-0.3238021	0.475913	-0.0004
73 121 526 1		170.57	26.785	-19.324	-0.0934737	0.518316	
73 121 52631	0.1503	170.03	27.028	-20.901	0.1490484	0.523418	0.0013
73 121 527 1		169.46	27.253	-22.487	0.3815154	0.474502	
73 121 52731	0.5817	168.85	27.461	-24.079	0.5824143	0.394552	-0.0007
73 121 52831	0.8637	167.55	27.823	-27.285	0.8641906	0.210388	-0.0005
73 121 529 1		166.85	27.976	-28.896	0.9375849	0.106170	
73 121 52931	0.9641	166.12	28.110	-30.513	0.9630836	0.007486	0.0010
73 121 530 1		165.35	28.226	-32.136	0.9474270	-0.072118	
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73 121 53631	-0.0485	152.91	27.963	-53.443	-0.0507697	-0.159259	0.0023
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73 121 550 1		117.02	17.587	-95.570	-0.0538778	-0.081715	
73 121 55031	-0.0942	115.59	16.997	-97.028	-0.0940147	-0.086179	-0.0002
73 121 551 1		114.16	16.396	-98.479	-0.1279089	-0.054630	
73 121 55131	-0.1429	112.73	15.784	-99.924	-0.1429083	-0.012992	0.0000
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73 122 44129	-0.2608	104.17	-20.436	80.716	-0.2480988	0.080484	-0.0127	
73 122 44159		105.65	-19.902	79.188	-0.2266377	0.004643		
73 122 44229	-0.2262	107.15	-19.356	77.673	-0.2416880	-0.057398	0.0155	
73 122 44259		108.65	-18.799	76.170	-0.2681471	-0.044780		
73 122 44329	-0.2869	110.16	-18.230	74.679	-0.2768596	0.007973	-0.0100	
73 122 44429	-0.2145	113.19	-17.062	71.735	-0.2147423	0.130314	0.0002	
73 122 44459		114.71	-16.464	70.280	-0.1387307	0.199903		
73 122 44529	-0.0286	116.23	-15.857	68.837	-0.0339300	0.244991	0.0053	
73 122 44559		117.76	-15.241	67.405	0.0790800	0.235466		
73 122 44629	0.1753	119.29	-14.618	65.984	0.1782973	0.192198	-0.0030	
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73 122 44759		123.86	-12.704	61.780	0.3144943	-0.014837		
73 122 44829	0.2949	125.37	-12.054	60.398	0.2886167	-0.094318	0.0063	
73 122 44859		126.88	-11.398	59.025	0.2301255	-0.156119		
73 122 44929	0.1444	128.39	-10.736	57.660	0.1483894	-0.192401	-0.0040	
73 122 45029	-0.0278	131.38	-9.399	54.955	-0.0268305	-0.164885	-0.0010	
73 122 45059		132.86	-8.725	53.614	-0.0895107	-0.101086		
73 122 45129	-0.1152	134.33	-8.046	52.279	-0.1180022	-0.023206	0.0028	
73 122 45159		135.79	-7.365	50.951	-0.1117379	0.049476		
73 122 45229	-0.0725	137.24	-6.681	49.629	-0.0746047	0.107297	0.0021	
73 122 45329	0.0409	140.10	-5.305	47.002	0.0514388	0.149363	-0.0105	
73 122 45359		141.51	-4.615	45.697	0.1177038	0.133609		
73 122 45429	0.1870	142.90	-3.923	44.395	0.1740870	0.113167	0.0129	
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73 122 45529	0.2710	145.64	-2.537	41.804	0.2728846	0.097324	-0.0019	
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73 122 5 729	-0.0781	171.07	13.444	10.807	-0.0826649	-0.057183	0.0046	
73 122 5 829	-0.1315	172.42	14.645	8.141	-0.1335569	-0.052355	0.0021	
73 122 5 859		173.05	15.233	6.799	-0.1568504	-0.048379		
73 122 5 929	-0.1841	173.63	15.814	5.450	-0.1793970	-0.051998	-0.0047	
73 122 5 959		174.19	16.385	4.094	-0.2073609	-0.071847		
73 122 51029	-0.2474	174.71	16.948	2.731	-0.2461834	-0.094594	-0.0012	
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73 122 52029	0.6478	177.33	25.790	-26.277	0.6499341	0.251278	-0.0021
73 122 52059		177.08	26.085	-27.819	0.7519439	0.189500	
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73 122 52159		176.44	26.628	-30.926	0.8637367	0.049378	
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73 122 52329	0.8099	175.22	27.315	-35.642	0.8092387	-0.104362	0.0007
73 122 52359		174.74	27.508	-37.228	0.7559170	-0.123993	
73 122 52429	0.6957	174.22	27.685	-38.820	0.6965026	-0.132225	-0.0008
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73 122 52529	0.5749	173.08	27.983	-42.020	0.5733997	-0.133835	0.0015
73 122 52629	0.4413	171.81	28.207	-45.240	0.4438263	-0.150321	-0.0025
73 122 52659		171.12	28.290	-46.856	0.3709079	-0.166437	
73 122 52729	0.2932	170.39	28.356	-48.476	0.2904913	-0.180304	0.0027
73 122 52759		169.64	28.402	-50.098	0.2059227	-0.184423	
73 122 52829	0.1203	168.85	28.428	-51.723	0.1212813	-0.181531	-0.0010
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73 122 53129	-0.2682	163.46	28.185	-61.494	-0.2644681	-0.069095	-0.0037
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73 122 53259		160.37	27.804	-66.369	-0.3158225	-0.012591	
73 122 53329	-0.3209	159.27	27.639	-67.989	-0.3181084	0.004675	-0.0028
73 122 53359		158.17	27.454	-69.605	-0.3096711	0.033863	
73 122 53429	-0.2837	157.02	27.252	-71.219	-0.2867906	0.063378	0.0031
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73 122 53729	-0.0850	149.68	25.650	-80.796	-0.0871513	0.037067	0.0022
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73 122 54159		137.33	22.100	-94.727	-0.0113665	-0.012261	
73 122 54229	-0.0088	135.88	21.628	-96.238	-0.0131623	0.003160	0.0044
73 122 54259		134.43	21.142	-97.741	-0.0096690	0.010652	
73 122 54329	-0.0072	132.95	20.642	-99.237	-0.0029610	0.020522	-0.0042
73 122 54429	0.0407	129.98	19.602	-102.206	0.0387661	0.078316	0.0019
73 122 54529	0.1569	126.97	18.511	-105.145	0.1572838	0.186850	-0.0004

APPENDIX I

ORBIT FIT DATABASE

AND

RESFIT UTILITY PROGRAM

The computer-readable supplement used by the RESFIT Utility Program (Appendix E) is provided on floppy disks (inside back cover pocket), if it was ordered. Alternatively, magnetic tape can be provided on special request.